Data Management Plan

För projektet DynamO – Dynamisk förvaltning av stillahavsostron, finansierat av Naturvårdsverket och Formas, Dnr: 2020-00038 (Naturvårdsverket).

Projektledare: IVL Svenska Miljöinsitutet

Projektpartners: Göteborgs universitet, Kungliga Tekniska högskolan, Universitetet i Agder.

Sammanfattning

Detta dokument beskriver bakgrunden till och planen för DynamOs hantering av data som samlas in och genereras under projektets gång, i syfte att bidra till öppna och tillgängliga data. Dokumentet består även av detaljerad information om alla de unika dataset som producerats under projektet; vad de innehåller, hur de ska arkiveras, tillgängliggöras och möjliga att återanvända.

Contents

Introduktion

Ett forskningsprojekt ger upphov till en mängd insamlad eller genererade data under projekttiden och det är därför viktigt att ha en genomtänkt plan för hanteringen och arkiveringen av denna data, i syfte att bidra till öppna data.

DynamO följer FAIR-principen för forskningsdata, det vill säga:
- Findable (möjligt att hittta)
- Accessible (tillgängligt)
- Interoperable (kompatibel)
- Reusable (möjligt att återanvända)

För att säkerställa efterlevnad av dessa principer behövs en genomtänkt plan för hur data ska hanteras, dokumenteras och arkiveras. Frågor som behöver besvarar för projektets hantering av data är:

- identifiering av data och ansvarig institution
- hantering av forskningsdata under och efter projektets slut
- vilka uppgifter som kommer att samlas in, bearbetas och/eller genereras
- vilka metoder och standarder som kommer att tillämpas
- om data kommer att delas/göras öppen åtkomst
- hur data kommer att kureras och bevaras (inklusive efter projektets slut)
- etiska problem
- kostnader förknippade med arkivering av data

För att säkerställa att data hanteras enligt FAIR-principen och att dessa frågor besvaras för varje insamlat eller genererat dataset har en Data Management Plan (DMP) tagits fram inom projektet.

Syfte

Syftet med denna Data Management Plan är att definiera hur DynamO ska hantera och arkivera data samt bidra till att data görs tillgängliga och blir möjliga för andra att återanvända och på så sätt skapa en mer öppen och effektiv forskning.

Metod

Ett formulär har skapats för att samla in och dokumentera information kring varje dataset. Formuläret baseras på en mall som tagits fram inom projektet AquaVitae (Horizon 2020 BG-08: Part C, GA 818173) som i sin tur baserades på den rekommenderade DMP-strukturen i ECs "Guidelines on FAIR Data Management i Horizon 2020".

Formuläret innehåll ett antal frågor som ska besvaras och där ett korrekt ifyllt formulär ska innehålla all den information som krävs för att följa FAIR-principen.

Alla projektets arbetspaketsledare har ansvar för att summera vilken data som ska samlas in eller genereras i projektets aktiviteter samt att fylla i ett formulär per planerat dataset. Alla data ska vara tillgängliga och alla formulär ska vara ifyllda och bilagda denna plan senast vid slutrapportens publicering.

Data management plan följs upp med jämna mellanrum på projektets möten och är därmed ett levande dokument som uppdateras regelbundet.

Datainsamling i projektet

Data har regenererats i alla fyra arbetspaket. Här följer en sammanfattning av de data som har genererats i projektet.

AP	**Data namn**	**Referens**	**Var är informationen lagrad?**	**Vem ansvarar**
1 D1.2	*ENG:* WP1: Ecosystem services literature review *SE:* AP1: Litteraturöversikt om ekosystemtjänster	Heß, S. (2024). To clear or not to clear? Ecosystem service and cost-efficiency implications for Pacific oyster (*Magallana gigas*) management in Sweden. Master thesis. Department of Marine Sciences, University of Gothenburg.	Rådata kommer att göras tillgänglig i samband med publikation i vetenskaplig tidskrift. För mer information, kontakta svenja.hess@ivl.se eller IVL (https://www.ivl.se/).	IVL och KTH
1 D1.1	*ENG:* WP1: Municipality stakeholder survey - anonymous *SE:* AP1: Kommunal intressentundersökni ng - anonym	Roesch, C. (2023). Classification of invasion boundaries of *Magallana gigas* on the Swedish west coast and involvement of stakeholders in the dynamic management plan. Master thesis. Department of Marine Sciences, University of Gothenburg.	Är öppet tillgänglig på projekthemsidan (https://www.ivl.se/projekt/dy namo.html).	IVL
1 D1.1 & D1.2	*ENG:* WP1: Model of invasion stages *SE:* AP1: Invasionsstadiemode ll	Roesch, C. (2023). Classification of invasion boundaries of *Magallana gigas* on the Swedish west coast and involvement of stakeholders in the dynamic	Är tillgänglig på projekthemsidan (https://www.ivl.se/projekt/dy namo.html).	IVL

		management plan. Master thesis. Department of Marine Sciences, University of Gothenburg.		
1 D1.2	*ENG:* WP1: Perceived impact survey: business and public. *SE:* AP1: Undersökning av upplevd påverkan: företag och allmänhet.	Heß, S. (2024). To clear or not to clear? Ecosystem service and cost-efficiency implications for Pacific oyster (*Magallana gigas*) management in Sweden. Master thesis. Department of Marine Sciences, University of Gothenburg.	Rådata kommer att göras tillgänglig i samband med publikation i vetenskaplig tidskrift. För mer information, kontakta svenja.hess@ivl.se eller IVL (https://www.ivl.se/).	IVL
1, 3 & 4 D1.2	*ENG:* WP1, 3 and 4: Cost-efficiency of clearing methods and substrates. *SE:* AP1, 3 and 4: Kostnadseffektivitet för rensningsmetoder och substrat.	Heß, S. (2024). To clear or not to clear? Ecosystem service and cost-efficiency implications for Pacific oyster (*Magallana gigas*) management in Sweden. Master thesis. Department of Marine Sciences, University of Gothenburg.	Rådata kommer att göras tillgänglig i samband med publikation i vetenskaplig tidskrift. För mer information, kontakta svenja.hess@ivl.se, ane.t.laugen@uia.no eller IVL (https://www.ivl.se/).	IVL och Universitetet i Agder
2 D2.1 & D1.2	*ENG:* WP2: Data S1. Fertilisation rates per site across the different treatments in the different sampled study areas. *SE:* AP2: Data S1. Data för befruktningsfrekvenser i olika salinitet.	Kinnby, A., Robert, C., Havenhand, J. N., Broström, G., Bussière, L., & De Wit, P. (2025). The Roles of Plasticity and Selection in Rapid Phenotypic Changes at the Pacific Oyster Invasion Front in Europe. Molecular Ecology, e17684. https://doi.org/10.1111/mec.17684	Data för befruktningsfrekvenser i olika salinitet finns tillgängliga i artikelns bilaga S1.	Göteborgs Universitet
2 D2.1 & D1.2	*ENG:* WP2: [dataset] Kinnby et al. 2024; Low-salinity adaptation in Pacific oysters; Dryad: https://doi.org/10.5061/dryad.v6wwpzh5q. *SE:* AP2: Lågsalinitetsanpassni	Kinnby, A., Robert, C., Havenhand, J. N., Broström, G., Bussière, L., & De Wit, P. (2025). The Roles of Plasticity and Selection in Rapid Phenotypic Changes at the Pacific Oyster Invasion Front in Europe. Molecular Ecology, e17684.	”Variant Call Sets” (VCF-filer för föräldrar och larver) finns tillgängliga på Dryad (https://doi.org/10.5061/dryad.v6wwpzh5q).	Göteborgs Universitet

	ng hos stillahavsostron	https://doi.org/10.1111/mec.17684		
2 D2.1	*ENG:* WP2: Raw genomic data, PRJNA1190893. *SE:* AP2: Genomisk rådata	Kinnby, A., Robert, C., Havenhand, J. N., Broström, G., Bussière, L., & De Wit, P. (2025). The Roles of Plasticity and Selection in Rapid Phenotypic Changes at the Pacific Oyster Invasion Front in Europe. Molecular Ecology, e17684. https://doi.org/10.1111/mec.17684	All genomisk rådata finns tillgänglig i NCBI:s Short Read Archive under BioProject PRJNA1190893.	
2 D2.2 & D1.2	*ENG:* WP2: Larval swimming behavior data *SE:* AP2: Simbeteendedata för larver	Broström, G., Kinnby, A., Robert, C., Havenhand, J. De Wit, P. (2024). Sannolikhet för framtida kolonisation av Stillahavsostron i Östersjön. Leverans D2.2 inom DynamO. https://www.ivl.se/projekt/dynamo/publikationer-och-lankar.html.	Rådata kommer att göras tillgänglig i samband med publikation i vetenskaplig tidskrift. För mer information, kontakta pierre.de_wit@bioenv.gu.se eller Göteborgs universitet.	Göteborgs Universitet
2 D2.2 & D1.2	*ENG:* WP2: Oceanographic modelling data *SE:* AP2: Oceanografisk modelleringsdata	Broström, G., Kinnby, A., Robert, C., Havenhand, J. De Wit, P. (2024). Sannolikhet för framtida kolonisation av Stillahavsostron i Östersjön. Leverans D2.2 inom DynamO. https://www.ivl.se/projekt/dynamo/publikationer-och-lankar.html.	Rådata kommer att göras tillgänglig på Swedish National Data Service i samband med publikation i vetenskaplig tidskrift. För mer information, kontakta goran.brostrom@marine.gu.se, pierre.de_wit@bioenv.gu.se eller Göteborgs universitet.	Göteborgs Universitet
3 D3.2	*ENG:* WP3: Population model Strömstad-Varberg *SE:* AP3: Populationsmodell Strömstad-Varberg	Hedensjö, A., Greeve, Y., Reamon, M.C., Strand, Å., Laugen, A.T. (2024). Populationsmodell av stillahavsostronet (*Magallana gigas*) på den svenska västkusten. Leverans D3.1 inom DynamO. https://www.ivl.se/projekt/d	För tillgång till förekomst och abundansprediktioner för önskat område i regionen, kontakta alice.hedensjo@ivl.se, alice.r.hedensjo@uia.no, eller ane.t.laugen@uia.no.	Universitetet i Agder och IVL

		ynamo/publikationer-och-lankar.html.		
3 D3.1 & D1.2	*ENG:* WP3: Population data and habitat preferences Strömstad-Varberg *SE:* AP3: Populationsdata och habitatpreferenser Strömstad-Varberg	Hedensjö, A., Greeve, Y., Reamon, M.C., Strand, Å., Laugen, A.T. (2024). Populationsmodell av stillahavsostronet (*Magallana gigas*) på den svenska västkusten. Leverans D3.1 inom DynamO. https://www.ivl.se/projekt/dynamo/publikationer-och-lankar.html. Hedensjö, A. (2024) Habitat preferences of the Pacific oyster (Magallana gigas) in the early invasion stages. Master thesis. Department of Marine Sciences, University of Gothenburg.	Rådata kommer att göras tillgänglig i samband med publikation i vetenskaplig tidskrift. För mer information, kontakta alice.hedensjo@ivl.se, alice.r.hedensjo@uia.no, eller ane.t.laugen@uia.no.	IVL and Universitetet i Agder
3 D3.1 & D1.2	*ENG:* WP3: Population data and habitat preferences Varberg-Malmö *SE:* AP3: Populationsdata och habitatpreferenser Varberg-Malmö	Hedensjö, A., Greeve, Y., Reamon, M.C., Strand, Å., Laugen, A.T. (2024). Populationsmodell av stillahavsostronet (*Magallana gigas*) på den svenska västkusten. Leverans D3.1 inom DynamO. https://www.ivl.se/projekt/dynamo/publikationer-och-lankar.html. Hedensjö, A. (2024) Habitat preferences of the Pacific oyster (Magallana gigas) in the early invasion stages. Master thesis. Department of Marine Sciences, University of Gothenburg.	Rådata kommer att göras tillgänglig i samband med publikation i vetenskaplig tidskrift. För mer information, kontakta alice.hedensjo@ivl.se, alice.r.hedensjo@uia.no, eller ane.t.laugen@uia.no.	Universitetet i Agder
3 & 1	*ENG:* WP3: Pacific oyster size data Strömstad-Varberg *SE:* AP3: Stillahavsostron	Hedensjö, A., Greeve, Y., Reamon, M.C., Strand, Å., Laugen, A.T. (2024). Populationsmodell av stillahavsostronet (*Magallana gigas*) på den svenska	Rådata kommer att göras tillgänglig i samband med publikation i vetenskaplig tidskrift. För mer information, kontakta alice.hedensjo@ivl.se,	IVL and Universitetet i Agder

D3.1 & D1.2	storleksdata Strömstad-Varberg	västkusten. Leverans D3.1 inom DynamO. https://www.ivl.se/projekt/dynamo/publikationer-och-lankar.html. Hedensjö, A. (2024) Habitat preferences of the Pacific oyster (Magallana gigas) in the early invasion stages. Master thesis. Department of Marine Sciences, University of Gothenburg.	alice.r.hedensjo@uia.no, eller ane.t.laugen@uia.no.	
3 & 1 D3.1 & D1.2	*ENG:* WP3: Pacific oyster size data Varberg-Malmö *SE:* AP3: Stillahavsostron storleksdata Varberg-Malmö	Hedensjö, A., Greeve, Y., Reamon, M.C., Strand, Å., Laugen, A.T. (2024). Populationsmodell av stillahavsostronet (*Magallana gigas*) på den svenska västkusten. Leverans D3.1 inom DynamO. https://www.ivl.se/projekt/dynamo/publikationer-och-lankar.html. Hedensjö, A. (2024) Habitat preferences of the Pacific oyster (Magallana gigas) in the early invasion stages. Master thesis. Department of Marine Sciences, University of Gothenburg.	Rådata kommer att göras tillgänglig i samband med publikation i vetenskaplig tidskrift. För mer information, kontakta alice.hedensjo@ivl.se, alice.r.hedensjo@uia.no, eller ane.t.laugen@uia.no.	IVL and Universitetet i Agder
4 D1.2	*ENG:* WP4: Clearing activities in high density areas. *SE:* AP4: Rensning i högtäthetsområden.	Heß, S. (2024). To clear or not to clear? Ecosystem service and cost-efficiency implications for Pacific oyster (*Magallana gigas*) management in Sweden. Master thesis. Department of Marine Sciences, University of Gothenburg.	Rådata kommer att göras tillgänglig i samband med publikation i vetenskaplig tidskrift. För mer information, kontakta IVL (https://www.ivl.se/).	IVL
4	*ENG:* WP4: Pre-survey of suitable oyster sites for clearing activities.		Är tillgänglig på projekthemsidan (https://www.ivl.se/projekt/dynamo.html).	IVL

	SE: AP4: Förundersökning av lämpliga ostronlokaler för rensningsaktiviteter.			
4 D4.1, D1.2	*ENG:* WP4: Potential uses of oversized and clustered Pacific oysters from wild populations *SE:* AP4: Användning av stillahavsostron kött och skal.	Roesch, C., Hedensjö, A., Henriksson, E., Wrange, A.L., Linder, E., Nyqvist, M., Strand, Å. (2025). Potential uses of oversized and fouled Pacific oysters from wild populations. Rapport C883 (leverans D 4.1), IVL Svenska Miljöinstitutet, 48 s. ISBN: 978-91-7883-650-5. Linder, E. (2022). En jämförelse av användningsområden och kemisk sammansättning av skal från blåmusslor och Stillahavsostron. Bachelor thesis. Department of Marine Sciences, University of Gothenburg. Nyqvist, M. (2022). En kartläggning av användningsområden för kött från stillahavsostron. Bachelor thesis. Department of Marine Sciences, University of Gothenburg.	Data är tillgänglig i rapporten. För mer information, kontakta IVL (https://www.ivl.se/).	IVL
4 D4.1	*ENG:* WP4: Nutritional composition of Pacific oyster meat. *SE:* AP4: Näringsinnehåll stillahavsostronkött	Roesch, C., Hedensjö, A., Henriksson, E., Wrange, A.L., Linder, E., Nyqvist, M., Strand, Å. (2025). Potential uses of oversized and fouled Pacific oysters from wild populations. Rapport C883, IVL Svenska Miljöinstitutet, 48 s. Leverans D4.1 inom DynamO. https://www.ivl.se/projekt/dynamo/publikationer-och-lankar.html.	Data är tillgänglig i rapporten och studentuppsatsen. För mer information, kontakta IVL (https://www.ivl.se/).	IVL

		Nyqvist, M. (2022). En kartläggning av användningsområden för kött från stillahavsostron. Bachelor thesis. Department of Marine Sciences, University of Gothenburg.		
4 D4.1	*ENG:* WP4: Chemical composition of Pacific oyster shells. *SE:* WP4: Kemisk sammansättning stillahavsostronskal.	Roesch, C., Hedensjö, A., Henriksson, E., Wrange, A.L., Linder, E., Nyqvist, M., Strand, Å. (2025). Potential uses of oversized and fouled Pacific oysters from wild populations. Rapport C883, IVL Svenska Miljöinstitutet, 48 s. Leverans D4.1 inom DynamO. https://www.ivl.se/projekt/dynamo/publikationer-och-lankar.html. Linder, E. (2022). En jämförelse av användningsområden och kemisk sammansättning av skal från blåmusslor och Stillahavsostron. Bachelor thesis. Department of Marine Sciences, University of Gothenburg.	Data är tillgänglig i rapporten och studentuppsatsen. För mer information, kontakta IVL (https://www.ivl.se/).	IVL
4 D1.2	*ENG:* WP4: Evaluation of turbidity impacts – clearing activities *SE:* AP4: Utvärdering av påverkan på vattengrumlighet av resningsaktivitet.	Heß, S. (2024). To clear or not to clear? Ecosystem service and cost-efficiency implications for Pacific oyster (*Magallana gigas*) management in Sweden. Master thesis. Department of Marine Sciences, University of Gothenburg.	Rådata kommer att göras tillgänglig i samband med publikation i vetenskaplig tidskrift. För mer information, kontakta svenja.hess@ivl.se, eller IVL (https://www.ivl.se/).	IVL

Referenser

"Guidelines on FAIR Data Management in Horizon 2020". EC Directorate-General for Research and Innovation, version 3.0, July 26th 2016

"Guidelines on Open Access to Scientific Publications and Research Data in Horizon 2020". EC Directorate-General for Research and Innovation, version 3.1, August 25th 2016

Bilagor

AP1

1. Data set name	ENG: WP1: Ecosystem services literature review SE: AP1: Litteraturöversikt om ekosystemtjänster
2. Data set owner or user, link to WP and/or Case Study	IVL Swedish Environmental Research Institute. Produced during the DynamO project (https://www.ivl.se/projektwebbar/dynamo.html), related to WP 1, Deliverable nr. 1.2
3. Data set summary	Classification of Pacific oyster impact on ecosystem services based on a literature review, integrating indicators from the Marine Strategy Framework Directive (MSFD), Water Framework Directive (WFD), Habitats Directive (HD), and Swedish environmental regulations. Ecosystem service assessment (e.g., positive or negative) is divided into habitat type (soft vs. hard) and oyster growth mode (solitary oysters, clusters, and reef structures).
4. FAIR Data (*Findable, Accessible, Interoperable, Re-usable*)	
4.1 Plans for making data findable	The data management plan will be available on the DynamO webpage. The raw data will be made accessible as supplementary online material on a journal website and will be searchable using the author names and title of the manuscript as well as topic specific terms (manuscript keywords).
4.2 Plans for making data openly accessible	The data is presented and accessible in “Heß, S. (2024). To clear or not to clear? Ecosystem service and cost-efficiency implications for Pacific oyster (*Magallana gigas*) management in Sweden. Master thesis. Department of Marine Sciences, University of Gothenburg.” The raw data will be published open access as supplementary online material on a journal website. For more information, contact svenja.hess@ivl.se or IVL (https://www.ivl.se/).
4.3 Plans for making data interoperable	Standard formats of raw data will be made available (e.g., tab-delimited text file or as table in main text). An information sheet or caption will be provided, specifying the units, and factors mentioned in the data, as well as who collected the data, and spatial and temporal information.

4.4 Plans for making data re-usable	The data will be publicly available after publication.
5. Allocation of resources	No additional costs are expected.
6. Data security	Until the data is published, all information will be kept by the researchers who will follow data security instructions given by each institutions recommendations. After this, the data will be hosted by the journal website and will follow their guidelines for data security.
7. Ethical aspects	In all relevant cases will all national ethical aspects related to the performed research be followed.
8. Other	This project (grant number Dnr. 2020-00038) was funded by the Swedish Environmental Protection Agency (Naturvårdsverket) and the Swedish Research Council Formas to improve the management of invasive species in a joint effort with the Swedish Agency for Marine and Water Management (Havs- och vattenmyndigheten) and the Swedish Transport Administration (Trafikverket).

1. Data set name	ENG: WP1: Municipality stakeholder survey - anonymous SE: AP1: Kommunal intressentundersökning - anonym
2. Data set owner or user, link to WP and/or Case Study	IVL Swedish Environmental Research Institute. Produced during the DynamO project (https://www.ivl.se/projektwebbar/dynamo.html), related to WP 1, D1.1.
3. Data set summary	Online stakeholder survey with municipality representatives (primarily municipality ecologists) on the Swedish west coast and county administrative board representatives (Västra Götaland, Halland, Skåne) about their attitudes towards and knowledge of the Pacific oyster. The survey consists of four sections; 1) general knowledge about the Pacific oyster, 2) local knowledge about the Pacific oyster, 3) attitudes towards the oyster, 4) stakeholders' management objectives.

4. FAIR Data (*Findable, Accessible, Interoperable, Re-usable*)	
4.1 Plans for making data findable	The data management plan will be available on the DynamO webpage. The raw data is accessible through the DynamO webpage, and will be searchable including the key words DynamO, WP number and name, deliverable number and name, and topic specific terms.
4.2 Plans for making data openly accessible	The data is openly accessible on the DynamO project website (https://www.ivl.se/projekt/dynamo.html), together with the associated master thesis: "Roesch, C. (2023). Classification of invasion boundaries of Magallana gigas on the Swedish west coast and involvement of stakeholders in the dynamic management plan. Master thesis. Department of Marine Sciences, University of Gothenburg."
4.3 Plans for making data interoperable	Data is published as a pdf but standard formats (.xlsx). of data will be made available on request.
4.4 Plans for making data re-usable	Data is publicly available on the project website and can be reused.
5. Allocation of resources	No additional costs are expected.
6. Data security	IVL is responsible for data security on the project website.
7. Ethical aspects	In all relevant cases will all national ethical aspects related to the performed research be followed.
8. Other	This project (grant number Dnr. 2020-00038) was funded by the Swedish Environmental Protection Agency (Naturvårdsverket) and the Swedish Research Council Formas to improve the management of invasive species in a joint effort with the Swedish Agency for Marine and Water Management (Havs- och vattenmyndigheten) and the Swedish Transport Administration (Trafikverket).

1. Data set name	ENG: WP1: Model of invasion stages SE: AP1: Invasionsstadiemodell

2. Data set owner or user, link to WP and/or Case Study	IVL Swedish Environmental Research Institute. Produced during the DynamO project (https://www.ivl.se/projektwebbar/dynamo.html), related to WP 1, D 1.1.
3. Data set summary	Classification of invasion stages of the Pacific oyster on the Swedish west coast. Relevant data for selected highest density sites within coastal municipalities on the west coast was compiled from existing survey data and complemented by field work. Available length measurements of the oysters were compiled for each municipality and tested for recruitment. Temperature and salinity data needed for model evaluation was extracted form Copernicus Marine Services. The classification model was revised and updated in an iterative process and the final classification of invasion stages performed based on the revised model.
4. FAIR Data (*Findable, Accessible, Interoperable, Re-usable*)	
4.1 Plans for making data findable	The data management plan and raw data are available on the DynamO webpage (https://www.ivl.se/projekt/dynamo.html).
4.2 Plans for making data openly accessible	The data is openly accessible on the DynamO project website (https://www.ivl.se/projekt/dynamo.html), together with the associated master thesis: "Roesch, C. (2023). Classification of invasion boundaries of Magallana gigas on the Swedish west coast and involvement of stakeholders in the dynamic management plan. Master thesis. Department of Marine Sciences, University of Gothenburg."
4.3 Plans for making data interoperable	Data will be published as a pdf but standard formats (.xlsx). of data will be made available on request.
4.4 Plans for making data re-usable	Data is publicly available on the project website and can be reused.
5. Allocation of resources	No additional costs are expected.

6. Data security	IVL is responsible for data security on the project website.
7. Ethical aspects	In all relevant cases will all national ethical aspects related to the performed research be followed.
8. Other	This project (grant number Dnr. 2020-00038) was funded by the Swedish Environmental Protection Agency (Naturvårdsverket) and the Swedish Research Council Formas to improve the management of invasive species in a joint effort with the Swedish Agency for Marine and Water Management (Havs- och vattenmyndigheten) and the Swedish Transport Administration (Trafikverket).

1. Data set name	ENG: WP1: Perceived impact survey: business and public. SE: AP1: Undersökning av upplevd påverkan: företag och allmänhet.
2. Data set owner or user, link to WP and/or Case Study	IVL Swedish Environmental Research Institute. Produced during the DynamO project (https://www.ivl.se/projektwebbar/dynamo.html), related to WP 1, Deliverable nr. 1.2
3. Data set summary	Stakeholder surveys of perceived impacts of Pacific oysters to supplement literature review on culture and provisioning ecosystem services. Categorized into public and business responses.
4. FAIR Data (*Findable, Accessible, Interoperable, Re-usable*)	
4.1 Plans for making data findable	The data management plan will be available on the DynamO webpage. The raw data will be made accessible as supplementary online material on a journal website and will be searchable using the author names and title of the manuscript as well as topic specific terms (manuscript keywords).
4.2 Plans for making data openly accessible	The data is presented and accessible in "Heß, S. (2024). To clear or not to clear? Ecosystem service and cost-efficiency implications for Pacific oyster (*Magallana gigas*) management in Sweden. Master thesis. Department of Marine Sciences, University of Gothenburg." The raw data associated with the thesis will be published open access as supplementary online material on a journal website. For more information, contact svenja.hess@ivl.se or IVL (https://www.ivl.se/).

4.3 Plans for making data interoperable	Standard formats of raw data will be made available (e.g., tab-delimited text file or as table in main text). An information sheet or caption will be provided, specifying the units, and factors mentioned in the data, as well as who collected the data, and spatial and temporal information.
4.4 Plans for making data re-usable	The data will be publicly available after publication.
5. Allocation of resources	No additional costs are expected.
6. Data security	Until the data is published, all information will be kept by the researchers who will follow data security instructions given by each institutions recommendations. After this, the data will be hosted by the journal website and will follow their guidelines for data security.
7. Ethical aspects	In all relevant cases will all national ethical aspects related to the performed research be followed.
8. Other	This project (grant number Dnr. 2020-00038) was funded by the Swedish Environmental Protection Agency (Naturvårdsverket) and the Swedish Research Council Formas to improve the management of invasive species in a joint effort with the Swedish Agency for Marine and Water Management (Havs- och vattenmyndigheten) and the Swedish Transport Administration (Trafikverket).

1. Data set name	ENG: WP1, 3 and 4: Cost-efficiency of clearing methods and substrates. SE: AP1, 3 and 4: Kostnadseffektivitet för rensningsmetoder och substrat.
2. Data set owner or user, link to WP and/or Case Study	IVL Swedish Environmental Research Institute and University of Agder Produced during the DynamO project (https://www.ivl.se/projektwebbar/dynamo.html), related to WP1, 3, 4, D1.2

3. Data set summary	Compilation of data from clearing activities in high- and low-density areas. Estimates of clearing efficiency (Clearing efficiency 1 = cleared oysters (kg) / working hour; Clearing efficiency 2 = cleared area (m^2) / working hour) and cost efficiency (Cost-efficiency 1 = Costs (SEK) / cleared oysters (kg); Cost-efficiency 2 = Costs (SEK) / cleared area (m^2) are categorized into the method used (handpicking - wading and snorkelling, handpicking – diving, dredging, excavating) and clearing substrate type.
4. FAIR Data (*Findable, Accessible, Interoperable, Re-usable*)	
4.1 Plans for making data findable	The data management plan is available on the DynamO webpage. The raw data will be made accessible as supplementary online material on a journal website and will be searchable using the author names and title of the manuscript as well as topic specific terms (manuscript keywords).
4.2 Plans for making data openly accessible	The data is presented and accessible in "Heß, S. (2024). To clear or not to clear? Ecosystem service and cost-efficiency implications for Pacific oyster (*Magallana gigas*) management in Sweden. Master thesis. Department of Marine Sciences, University of Gothenburg." The raw data associated with the thesis will be published open access as supplementary online material on a journal website. For more information, contact svenja.hess@ivl.se or IVL (https://www.ivl.se/).
4.3 Plans for making data interoperable	Standard formats of raw data will be made available (e.g., tab-delimited text file or as table in main text). An information sheet or caption will be provided, specifying the units, and factors mentioned in the data, as well as who collected the data, and spatial and temporal information.
4.4 Plans for making data re-usable	The data will be publicly available after publication.
5. Allocation of resources	No additional costs are expected.
6. Data security	Until the data is published, all information will be kept by the researchers who will follow data security instructions given by each institutions recommendations. After this, the data will be hosted by the journal website and will follow their guidelines for data security.

7. Ethical aspects	In all relevant cases will all national ethical aspects related to the performed research be followed.
8. Other	This project (grant number Dnr. 2020-00038) was funded by the Swedish Environmental Protection Agency (Naturvårdsverket) and the Swedish Research Council Formas to improve the management of invasive species in a joint effort with the Swedish Agency for Marine and Water Management (Havs- och vattenmyndigheten) and the Swedish Transport Administration (Trafikverket).

AP2

1. Data set name	ENG: WP2: Data S1. Fertilisation rates per site across the different treatments in the different sampled study areas. SE: AP2: Data S1. Data för befruktningsfrekvenser i olika salinitet.
2. Data set owner or user, link to WP and/or Case Study	University of Gothenburg. Produced during the DynamO project (https://www.ivl.se/projektwebbar/dynamo.html), related to WP2, Deliverable nr. D2.1.
3. Data set summary	Fertilization rates per sire across the dierent treatments in the dierent sampled study areas
4. FAIR Data (*Findable, Accessible, Interoperable, Re-usable*)	
4.1 Plans for making data findable	The data management plan will be available on the DynamO webpage. The data is published in: "Kinnby, A., Robert, C., Havenhand, J. N., Broström, G., Bussière, L., & De Wit, P. (2025). The Roles of Plasticity and Selection in Rapid Phenotypic Changes at the Pacific Oyster Invasion Front in Europe. Molecular Ecology, e17684. https://doi.org/10.1111/mec.17684."
4.2 Plans for making data openly accessible	Data on fertilization rates are published in supplementary information S1 of the article.

4.3 Plans for making data interoperable	Data available as a figure. Contact pierre.de_wit@gu.se for more information about available standard data formats (e.g., tab-delimited text file).
4.4 Plans for making data re-usable	The data is publicly available.
5. Allocation of resources	No additional costs are expected.
6. Data security	The data follow Molecular Ecology's guidelines for data security.
7. Ethical aspects	In all relevant cases will all national ethical aspects related to the performed research be followed.
8. Other	This project (grant number Dnr. 2020-00038) was funded by the Swedish Environmental Protection Agency (Naturvårdsverket) and the Swedish Research Council Formas to improve the management of invasive species in a joint effort with the Swedish Agency for Marine and Water Management (Havs- och vattenmyndigheten) and the Swedish Transport Administration (Trafikverket).

1. Data set name	ENG: WP2: [dataset] Kinnby et al. 2024; Low-salinity adaptation in Pacific oysters; Dryad: https://doi.org/10.5061/dryad.v6wwpzh5q. SE: AP2: Lågsalinitetsanpassning hos stillahavsostron
2. Data set owner or user, link to WP and/or Case Study	University of Gothenburg. Produced during the DynamO project (https://www.ivl.se/projektwebbar/dynamo.html), related to WP2, Deliverable nr. D2.1.
3. Data set summary	Variant call sets of genetic variants for parents and larvae.
4. FAIR Data (*Findable, Accessible, Interoperable, Re-usable*)	

4.1 Plans for making data findable	The data management plan will be available on the DynamO webpage. The data is published in: “Kinnby, A., Robert, C., Havenhand, J. N., Broström, G., Bussière, L., & De Wit, P. (2025). The Roles of Plasticity and Selection in Rapid Phenotypic Changes at the Pacific Oyster Invasion Front in Europe. Molecular Ecology, e17684. https://doi.org/10.1111/mec.17684.”
4.2 Plans for making data openly accessible	Variant call sets (vcf files for parents and larvae) are available on Dryad and can be cited as: [dataset] Kinnby et al. 2024; Low-salinity adaptation in Pacific oysters; Dryad: https://doi.org/10.5061/dryad.v6wwpzh5q.
4.3 Plans for making data interoperable	Variant call sets (vcf files for parents and larvae) are available on Dryad and can be cited as: [dataset] Kinnby et al. 2024; Low-salinity adaptation in Pacific oysters; Dryad: https://doi.org/10.5061/dryad.v6wwpzh5q.
4.4 Plans for making data re-usable	The data is publicly available.
5. Allocation of resources	No additional costs are expected.
6. Data security	The data follow Dyrad’s guidelines for data security.
7. Ethical aspects	In all relevant cases will all national ethical aspects related to the performed research be followed.
8. Other	This project (grant number Dnr. 2020-00038) was funded by the Swedish Environmental Protection Agency (Naturvårdsverket) and the Swedish Research Council Formas to improve the management of invasive species in a joint effort with the Swedish Agency for Marine and Water Management (Havs- och vattenmyndigheten) and the Swedish Transport Administration (Trafikverket).

1. Data set name	ENG: WP2: Raw genomic data, PRJNA1190893. SE: AP2: Genomisk rådata

2. Data set owner or user, link to WP and/or Case Study	University of Gothenburg. Produced during the DynamO project (https://www.ivl.se/projektwebbar/dynamo.html), related to WP2, Deliverable nr. D2.1.
3. Data set summary	Whole genome raw sequence data (fastq files) from sequencing of 90 full-sib families of oyster larvae (many individuals pooled) and 30 parents to these families.
4. FAIR Data (*Findable, Accessible, Interoperable, Re-usable*)	
4.1 Plans for making data findable	The data management plan will be available on the DynamO webpage. The data is published in: "Kinnby, A., Robert, C., Havenhand, J. N., Broström, G., Bussière, L., & De Wit, P. (2025). The Roles of Plasticity and Selection in Rapid Phenotypic Changes at the Pacific Oyster Invasion Front in Europe. Molecular Ecology, e17684. https://doi.org/10.1111/mec.17684."
4.2 Plans for making data openly accessible	The data is published in the NCBI short read archive (SRA) under BioProject PRJNA1190893. This repository enables their users to make all of their research outputs available in a citable, shareable and discoverable manner.
4.3 Plans for making data interoperable	Standard formats of data are available as fastq files. Metadata, including factors mentioned in the data, as well as who collected the data, and spatial and temporal information, will also be published on the NCBI repository using the BioSample database.
4.4 Plans for making data re-usable	The data is publicly available.
5. Allocation of resources	No additional costs are expected.
6. Data security	The data is hosted by NCBI and will follow their guidelines for data security.
7. Ethical aspects	In all relevant cases will all national ethical aspects related to the performed research be followed.

8. Other	This project (grant number Dnr. 2020-00038) was funded by the Swedish Environmental Protection Agency (Naturvårdsverket) and the Swedish Research Council Formas to improve the management of invasive species in a joint effort with the Swedish Agency for Marine and Water Management (Havs- och vattenmyndigheten) and the Swedish Transport Administration (Trafikverket).

1. Data set name	ENG: WP2: Larval swimming behavior data SE: AP2: Simbeteendedata för larver
2. Data set owner or user, link to WP and/or Case Study	University of Gothenburg. Produced during the DynamO project (https://www.ivl.se/projektwebbar/dynamo.html), related to WP2, Deliverable nr. D2.2.
3. Data set summary	Counts of larvae present at different positions in an aquarium with a halocline, used to examine swimming behaviour.
4. FAIR Data (*Findable, Accessible, Interoperable, Re-usable*)	
4.1 Plans for making data findable	The data management plan will be available on the DynamO webpage. The raw data will be made accessible as supplementary online material on a journal website, and will be searchable using the author names and title of the manuscript as well as topic specific terms (manuscript keywords).
4.2 Plans for making data openly accessible	The data is presented in: "Broström, G., Kinnby, A., Robert, C., Havenhand, J. De Wit, P. (2024). Sannolikhet för framtida kolonisation av Stillahavsostron i Östersjön. Leverans D2.2 inom DynamO. https://www.ivl.se/projekt/dynamo/publikationer-och-lankar.html." The raw data will be published open access as supplementary online material on a journal website. För mer information, kontakta pierre.de_wit@bioenv.gu.se eller Göteborgs universitet.
4.3 Plans for making data interoperable	Standard formats of raw data will be made available (e.g., tab-delimited text file or as table in main text). An information sheet will be provided, specifying the units, and factors mentioned in the data, as well as who collected the data, and spatial and temporal information.

4.4 Plans for making data re-usable	The data will be publicly available after publication.
5. Allocation of resources	No additional costs are expected.
6. Data security	Until the data is published, all information will be kept by the researchers who will follow data security instructions given by each institutions recommendations. After this, the data will be hosted by the journal website and will follow their guidelines for data security.
7. Ethical aspects	In all relevant cases will all national ethical aspects related to the performed research be followed.
8. Other	This project (grant number Dnr. 2020-00038) was funded by the Swedish Environmental Protection Agency (Naturvårdsverket) and the Swedish Research Council Formas to improve the management of invasive species in a joint effort with the Swedish Agency for Marine and Water Management (Havs- och vattenmyndigheten) and the Swedish Transport Administration (Trafikverket).

1. Data set name	ENG: WP2: Oceanographic modelling data SE: AP2: Oceanografisk modelleringsdata
2. Data set owner or user, link to WP and/or Case Study	University of Gothenburg. Produced during the DynamO project (https://www.ivl.se/projektwebbar/dynamo.html), related to WP2, Deliverable nr. D2.2.
3. Data set summary	Data from hydrodynamical model, and simulated transport of larvae.
4. FAIR Data (*Findable, Accessible, Interoperable, Re-usable*)	
4.1 Plans for making data findable	The data management plan will be available on the DynamO webpage. The raw data will be made accessible as supplementary online material on a journal website and will be searchable using the

	author names and title of the manuscript as well as topic specific terms (manuscript keywords).
4.2 Plans for making data openly accessible	Raw data will be made available on the Swedish National Data Service in connection with publication in a scientific journal. For more information, contact goran.brostrom@marine.gu.se, pierre.de_wit@bioenv.gu.se or the University of Gothenburg.
4.3 Plans for making data interoperable	For modelling data NetCDF will be used, this is a standard format used for models at e.g. at Copernicus web site. Data is mainly self-contained but a brief meta data description will be included.
4.4 Plans for making data re-usable	The data will be publicly available after publication.
5. Allocation of resources	No additional costs are expected.
6. Data security	Until the data is published, all information will be kept by the researchers who will follow data security instructions given by each institutions recommendations. After this, the data will be hosted by selected repository or journal and will follow their guidelines for data security.
7. Ethical aspects	In all relevant cases will all national ethical aspects related to the performed research be followed.
8. Other	This project (grant number Dnr. 2020-00038) was funded by the Swedish Environmental Protection Agency (Naturvårdsverket) and the Swedish Research Council Formas to improve the management of invasive species in a joint effort with the Swedish Agency for Marine and Water Management (Havs- och vattenmyndigheten) and the Swedish Transport Administration (Trafikverket).

AP3

1. Data set name	ENG: WP3: Population model Strömstad-Varberg SE: AP3: Populationsmodell Strömstad-Varberg
2. Data set owner or user, link to WP and/or Case Study	University of Agder and IVL Swedish Environmental Research Institute. Partly produced during the DynamO project (https://www.ivl.se/projektwebbar/dynamo.html), related to WP3, D3.1.
3. Data set summary	Full covering predictions of *Magallana gigas* occurrence and abundance
4. FAIR Data (*Findable, Accessible, Interoperable, Re-usable*)	
4.1 Plans for making data findable	The data management plan will be available on the DynamO webpage. The raw data of observations and predictions will be made accessible as supplementary online material on a journal website and will be searchable using the author names and title of the manuscript as well as topic specific terms (manuscript keywords).
4.2 Plans for making data openly accessible	Model presented in deliverable D3.1: https://www.ivl.se/projekt/dynamo/publikationer-och-lankar.html. For access to occurrence and abundance predictions for a specific region between Strömstad and Varberg, contact alice.hedensjo@ivl.se, alice.r.hedensjo@uia.no, or ane.t.laugen@uia.no.
4.3 Plans for making data interoperable	Available as standard geodata: raster and shp.
4.4 Plans for making data re-usable	The data will be publicly available after publication.
5. Allocation of resources	No additional costs are expected.
6. Data security	Until the data is published, all information will be kept by the researchers who will follow data security instructions given by each institutions recommendations. After this, the data will be hosted by the journal website and will follow their guidelines for data security.

7. Ethical aspects	In all relevant cases will all national ethical aspects related to the performed research be followed.
8. Other	This project (grant number Dnr. 2020-00038) was funded by the Swedish Environmental Protection Agency (Naturvårdsverket) and the Swedish Research Council Formas to improve the management of invasive species in a joint effort with the Swedish Agency for Marine and Water Management (Havs- och vattenmyndigheten) and the Swedish Transport Administration (Trafikverket).

1. Data set name	ENG: WP3: Population data and habitat preferences Strömstad-Varberg SE: AP3: Populationsdata och habitatpreferenser Strömstad-Varberg
2. Data set owner or user, link to WP and/or Case Study	University of Agder and IVL Swedish Environmental Research Institute. Partly produced during the DynamO project (https://www.ivl.se/projektwebbar/dynamo.html), related to WP3, D3.1.
3. Data set summary	Occurrence and abundance data for Pacific oysters, blue mussels and flat oysters between Strömstad and Varberg as well as associated habitat variables (including depth, substrate composition and occurrence of macroalgae and eelgrass).
4. FAIR Data (*Findable, Accessible, Interoperable, Re-usable*)	
4.1 Plans for making data findable	The data management plan will be available on the DynamO webpage. The raw data of observations and predictions will be made accessible as supplementary online material on a journal website and will be searchable using the author names and title of the manuscript as well as topic specific terms (manuscript keywords).
4.2 Plans for making data openly accessible	The data is presented in deliverable D3.1 as well as: "Hedensjö, A. (2024) Habitat preferences of the Pacific oyster (*Magallana gigas*) in the early invasion stages. Master thesis. Department of Marine Sciences, University of Gothenburg." accessible at https://www.ivl.se/projekt/dynamo/publikationer-och-lankar.html. Raw data will be published open access as supplementary online material on a journal website. For more information, contact

	alice.hedensjo@ivl.se, alice.r.hedensjo@uia.no, or ane.t.laugen@uia.no.
4.3 Plans for making data interoperable	Standard formats of data will be made available (.csv or tab-delimited text file). An information sheet is provided in the beginning of the document, specifying the units, and factors mentioned in the data, as well as who collected the data, and spatial and temporal information.
4.4 Plans for making data re-usable	The data will be publicly available after publication.
5. Allocation of resources	No additional costs are expected.
6. Data security	Until the data is published, all information will be kept by the researchers who will follow data security instructions given by each institutions recommendations. After this, the data will be hosted by the journal website and will follow their guidelines for data security.
7. Ethical aspects	In all relevant cases will all national ethical aspects related to the performed research be followed.
8. Other	This project (grant number Dnr. 2020-00038) was funded by the Swedish Environmental Protection Agency (Naturvårdsverket) and the Swedish Research Council Formas to improve the management of invasive species in a joint effort with the Swedish Agency for Marine and Water Management (Havs- och vattenmyndigheten) and the Swedish Transport Administration (Trafikverket).

1. Data set name	ENG: WP3: Population data and habitat preferences Varberg-Malmö SE: AP3: Populationsdata och habitatpreferenser Varberg-Malmö
2. Data set owner or user, link to WP and/or Case Study	University of Agder. Produced during the DynamO project (https://www.ivl.se/projektwebbar/dynamo.html), related to WP3, D3.1.

3. Data set summary	Occurrence and abundance data (in highest abundance area) for Pacific oysters in marinas, piers and natural habitats south of Varberg, as well as associated habitat variables (including depth, substrate composition and occurrence of native bivalve species, macroalgae and eelgrass).
4. FAIR Data (*Findable, Accessible, Interoperable, Re-usable*)	
4.1 Plans for making data findable	The data management plan will be available on the DynamO webpage. The raw data will be made accessible as supplementary online material on a journal website and will be searchable using the author names and title of the manuscript as well as topic specific terms (manuscript keywords).
4.2 Plans for making data openly accessible	The data will be published open access as supplementary online material on a journal website. For more information, contact alice.hedensjo@ivl.se, alice.r.hedensjo@uia.no, or ane.t.laugen@uia.no.
4.3 Plans for making data interoperable	Standard formats of data will be made available (.csv or tab-delimited text file). An information sheet is provided in the beginning of the document, specifying the units, and factors mentioned in the data, as well as who collected the data, and spatial and temporal information.
4.4 Plans for making data re-usable	The data will be publicly available after publication.
5. Allocation of resources	No additional costs are expected.
6. Data security	Until the data is published, all information will be kept by the researchers who will follow data security instructions given by each institutions recommendations. After this, the data will be hosted by the journal website and will follow their guidelines for data security.
7. Ethical aspects	In all relevant cases will all national ethical aspects related to the performed research be followed.
8. Other	This project (grant number Dnr. 2020-00038) was funded by the Swedish Environmental Protection Agency (Naturvårdsverket) and the Swedish Research Council Formas to improve the management of invasive species in a joint effort with the Swedish Agency for

	Marine and Water Management (Havs- och vattenmyndigheten) and the Swedish Transport Administration (Trafikverket).

1. Data set name	ENG: WP3: Pacific oyster size data Strömstad-Varberg SE: AP3: Stillahavsostron storleksdata Strömstad-Varberg
2. Data set owner or user, link to WP and/or Case Study	University of Agder and IVL Swedish Environmental Research Institute. Partly produced during the DynamO project (https://www.ivl.se/projektwebbar/dynamo.html), related to WP3, D3.1.
3. Data set summary	Shell length, width and height data for Pacific oysters between Strömstad and Varberg.
4. FAIR Data (*Findable, Accessible, Interoperable, Re-usable*)	
4.1 Plans for making data findable	The data management plan will be available on the DynamO webpage. The raw data will be made accessible as supplementary online material on a journal website and will be searchable using the author names and title of the manuscript as well as topic specific terms (manuscript keywords).
4.2 Plans for making data openly accessible	The data will be published open access as supplementary online material on a journal website. The data is presented in deliverable D3.1 as well as: "Hedensjö, A. (2024) Habitat preferences of the Pacific oyster (*Magallana gigas*) in the early invasion stages. Master thesis. Department of Marine Sciences, University of Gothenburg." accessible at https://www.ivl.se/projekt/dynamo/publikationer-och-lankar.html. For more information, contact alice.hedensjo@ivl.se, alice.r.hedensjo@uia.no, or ane.t.laugen@uia.no.
4.3 Plans for making data interoperable	Standard formats of data will be made available (.csv or tab-delimited text file). An information sheet is provided in the beginning of the document, specifying the units, and factors mentioned in the data, as well as who collected the data, and spatial and temporal information.
4.4 Plans for making data re-usable	The data will be publicly available after publication.

5. Allocation of resources	No additional costs are expected.
6. Data security	Until the data is published, all information will be kept by the researchers who will follow data security instructions given by each institutions recommendations. After this, the data will be hosted by the journal website and will follow their guidelines for data security.
7. Ethical aspects	In all relevant cases will all national ethical aspects related to the performed research be followed.
8. Other	This project (grant number Dnr. 2020-00038) was funded by the Swedish Environmental Protection Agency (Naturvårdsverket) and the Swedish Research Council Formas to improve the management of invasive species in a joint effort with the Swedish Agency for Marine and Water Management (Havs- och vattenmyndigheten) and the Swedish Transport Administration (Trafikverket).

1. Data set name	ENG: WP3: Pacific oyster size data Varberg-Malmö SE: AP3: Stillahavsostron storleksdata Varberg-Malmö
2. Data set owner or user, link to WP and/or Case Study	University of Agder. Produced during the DynamO project (https://www.ivl.se/projektwebbar/dynamo.html), related to WP3, D3.1.
3. Data set summary	Shell length, width and height data for Pacific oysters in marinas, piers and natural rocky habitats between Varberg and Malmö.
4. FAIR Data (*Findable, Accessible, Interoperable, Re-usable*)	
4.1 Plans for making data findable	The data management plan will be available on the DynamO webpage. The raw data will be made accessible as supplementary online material on a journal website and will be searchable using the author names and title of the manuscript as well as topic specific terms (manuscript keywords).

4.2 Plans for making data openly accessible	The data is presented in deliverable D3.1 as well as: "Hedensjö, A. (2024) Habitat preferences of the Pacific oyster (*Magallana gigas*) in the early invasion stages. Master thesis. Department of Marine Sciences, University of Gothenburg." accessible at https://www.ivl.se/projekt/dynamo/publikationer-och-lankar.html. Raw data will be published open access as supplementary online material on a journal website. For more information, contact alice.hedensjo@ivl.se, alice.r.hedensjo@uia.no, or ane.t.laugen@uia.no.
4.3 Plans for making data interoperable	Standard formats of data will be made available (.csv or tab-delimited text file). An information sheet is provided in the beginning of the document, specifying the units, and factors mentioned in the data, as well as who collected the data, and spatial and temporal information.
4.4 Plans for making data re-usable	The data will be publicly available after publication.
5. Allocation of resources	No additional costs are expected.
6. Data security	Until the data is published, all information will be kept by the researchers who will follow data security instructions given by each institutions recommendations. After this, the data will be hosted by the journal website and will follow their guidelines for data security.
7. Ethical aspects	In all relevant cases will all national ethical aspects related to the performed research be followed.
8. Other	This project (grant number Dnr. 2020-00038) was funded by the Swedish Environmental Protection Agency (Naturvårdsverket) and the Swedish Research Council Formas to improve the management of invasive species in a joint effort with the Swedish Agency for Marine and Water Management (Havs- och vattenmyndigheten) and the Swedish Transport Administration (Trafikverket).

AP4

1. Data set name	ENG: WP4: Clearing activities in high density areas. SE: AP4: Rensning i högtäthetsområden.
2. Data set owner or user, link to WP and/or Case Study	IVL Swedish Environmental Research Institute. Produced during the DynamO project (https://www.ivl.se/projektwebbar/dynamo.html), related to WP4, D1.2.
3. Data set summary	Physical removal of oysters using different harvest techniques will be tested at three to five sites. Oyster densities at all sites will be surveyed before and one week after the trials and on a yearly basis for two years after the experiment. To estimate the short-term and long-term environmental effects of the harvest, we will collect infauna samples using sediment cores at different times before and after the trial: 1) the summer before, 2) just before, 3) 1 week after, 4) 1 month after, and 5) the summer after. To document effects on substrate we will use a towed underwater sledge with camera before, 1 week after, and 1 month after, the trial.
4. FAIR Data (*Findable, Accessible, Interoperable, Re-usable*)	
4.1 Plans for making data findable	The data management plan will be available on the DynamO webpage. The raw data will be made accessible as supplementary online material on a journal website and will be searchable using the author names and title of the manuscript as well as topic specific terms (manuscript keywords).
4.2 Plans for making data openly accessible	The data is presented in "Heß, S. (2024). To clear or not to clear? Ecosystem service and cost-efficiency implications for Pacific oyster (*Magallana gigas*) management in Sweden. Master thesis. Department of Marine Sciences, University of Gothenburg." The raw data will be published open access as supplementary online material on a journal website. For more information, contact IVL (https://www.ivl.se/).
4.3 Plans for making data interoperable	Standard formats of data will be made available (.xlsx or .csv). An information sheet is provided at the beginning of the excel data document, specifying the units, and factors mentioned in the data, as well as who collected the data, and spatial and temporal information.
4.4 Plans for making data re-usable	The data will be publicly available after publication.

5. Allocation of resources	No additional costs are expected.
6. Data security	Until the data is published, all information will be kept by the researchers who will follow data security instructions given by each institution's recommendations. After this, the data will be hosted by the journal website and will follow their guidelines for data security.
7. Ethical aspects	In all relevant cases will all national ethical aspects related to the performed research be followed.
8. Other	This project (grant number Dnr. 2020-00038) was funded by the Swedish Environmental Protection Agency (Naturvårdsverket) and the Swedish Research Council Formas to improve the management of invasive species in a joint effort with the Swedish Agency for Marine and Water Management (Havs- och vattenmyndigheten) and the Swedish Transport Administration (Trafikverket).

1. Data set name	ENG: WP4: Pre-survey of suitable oyster sites for clearing activities. SE: AP4: Förundersökning av lämpliga ostronlokaler för rensningsaktiviteter.
2. Data set owner or user, link to WP and/or Case Study	IVL Swedish Environmental Research Institute. Produced during the DynamO project (https://www.ivl.se/projektwebbar/dynamo.html), related to WP4.
3. Data set summary	Survey data was collected during summer 2021 and included: Site name, geographical coordinates, depth, total estimated area with Pacific oysters, accessibility from land/boat, area description, nearby habitats (flat oyster beds or eelgrass present), type of *M. gigas* population (reef formation/clusters /solitary), estimated size of area with reef formation, estimated size of area without reef, estimated mean density of *M. gigas* (in reef formations), estimated mean density of *M. gigas* (no reef), bottom substrate. The areas were further classified in different types of areas relating to possible impact of water exchange, etc.
4. FAIR Data (*Findable, Accessible, Interoperable, Re-usable*)	

4.1 Plans for making data findable	The data management plan will be available on the DynamO webpage. The raw data is accessible through the DynamO webpage, and will be searchable including the key words DynamO, WP number and name, deliverable number and name, and topic specific terms.
4.2 Plans for making data openly accessible	The data is openly accessible on the DynamO project website (https://www.ivl.se/projekt/dynamo.html).
4.3 Plans for making data interoperable	Data is published as a pdf but standard formats (.xlsx). of data will be made available on request.
4.4 Plans for making data re-usable	The data will be publicly available after publication.
5. Allocation of resources	No additional costs are expected.
6. Data security	IVL is responsible for data security on the project website.
7. Ethical aspects	In all relevant cases will all national ethical aspects related to the performed research be followed.
8. Other	This project (grant number Dnr. 2020-00038) was funded by the Swedish Environmental Protection Agency (Naturvårdsverket) and the Swedish Research Council Formas to improve the management of invasive species in a joint effort with the Swedish Agency for Marine and Water Management (Havs- och vattenmyndigheten) and the Swedish Transport Administration (Trafikverket).

1. Data set name	ENG: WP4: Potential uses of oversized and clustered Pacific oysters from wild populations SE: AP4: Användning av stillahavsostron kött och skal.
2. Data set owner or user, link to WP and/or Case Study	IVL Swedish Environmental Research Institute. Produced during the DynamO project (https://www.ivl.se/projektwebbar/dynamo.html), related to WP4, D4.1.

3. Data set summary	Lists of products identified during web search and literature reviewed, categorized into areas of use for Pacific oyster shell and meat.
4. FAIR Data (*Findable, Accessible, Interoperable, Re-usable*)	
4.1 Plans for making data findable	The data management plan is available on the DynamO webpage and on DiVA. The data is available as tables in deliverable 4.1 (published on the DynamO website and on DiVA (ISBN: 978-91-7883-650-5), and will be searchable including the key words DynamO, WP number and name, deliverable number and name, and topic specific terms, and in addition through the dataset name in English.
4.2 Plans for making data openly accessible	The D4.1 report is open access on the project website and on DiVA.
4.3 Plans for making data interoperable	Standard formats of data will be made available (.xlsx) on request, with an information sheet provided, specifying factors mentioned in the data and who collected the data.
4.4 Plans for making data re-usable	The data is publicly available as a report.
5. Allocation of resources	No additional costs are expected.
6. Data security	IVL is responsible for data security on the project website.
7. Ethical aspects	In all relevant cases will all national ethical aspects related to the performed research be followed.
8. Other	This project (grant number Dnr. 2020-00038) was funded by the Swedish Environmental Protection Agency (Naturvårdsverket) and the Swedish Research Council Formas to improve the management of invasive species in a joint effort with the Swedish Agency for Marine and Water Management (Havs- och vattenmyndigheten) and the Swedish Transport Administration (Trafikverket).

1. Data set name	ENG: WP4: Nutritional composition of Pacific oyster meat. SE: AP4: Näringsinnehåll stillahavsostronkött
2. Data set owner or user, link to WP and/or Case Study	IVL Swedish Environmental Research Institute. Produced during the DynamO project (funding number 2020-00038), related to WP4, D4.1, compiled by Anna-Lisa Wrange and Åsa Strand.
3. Data set summary	Data on chemical analysis of nutrients and environmental pollutants in oyster and mussel tissue and shells. Bivalves were collected in April 2022 from the two sites around Strömstad, in Sweden.
4. FAIR Data (*Findable, Accessible, Interoperable, Re-usable*)	
4.1 Plans for making data findable	The data management plan will be available on the DynamO webpage. The data is accessible on the DynamO webpage as reports, and will be searchable including the key words DynamO, WP number and name, deliverable number and name, and topic specific terms.
4.2 Plans for making data openly accessible	The data is accessible as on the DynamO project website (https://www.ivl.se/projekt/dynamo.html) in deliverable 4.1 and bachelor thesis: "Nyqvist, M. (2022). En kartläggning av användningsområden för kött från stillahavsostron. Bachelor thesis. Department of Marine Sciences, University of Gothenburg."
4.3 Plans for making data interoperable	Standard formats of data will be made available (.xlsx) on request, with an information sheet provided, specifying factors mentioned in the data and who collected the data.
4.4 Plans for making data re-usable (through clarifying licenses)	The data is publicly available as a report.
5. Allocation of resources	No additional costs are expected.
6. Data security	IVL is responsible for data security on the project website.

7. Ethical aspects	In all relevant cases will all national ethical aspects related to the performed research be followed.
8. Other	This project (grant number Dnr. 2020-00038) was funded by the Swedish Environmental Protection Agency (Naturvårdsverket) and the Swedish Research Council Formas to improve the management of invasive species in a joint effort with the Swedish Agency for Marine and Water Management (Havs- och vattenmyndigheten) and the Swedish Transport Administration (Trafikverket).

1. Data set name	ENG: WP4: Chemical composition of Pacific oyster shells. SE: WP4: Kemisk sammansättning stillahavsostronskal.
2. Data set owner or user, link to WP and/or Case Study	IVL Swedish Environmental Research Institute. Produced during the DynamO project (funding number 2020-00038), related to WP4, D4.1, compiled by Anna-Lisa Wrange and Åsa Strand.
3. Data set summary	Data on chemical analysis of nutrients and environmental pollutants in oyster and mussel tissue and shells. Bivalves were collected in April 2022 from the two sites around Strömstad, in Sweden.
4. FAIR Data (*Findable, Accessible, Interoperable, Re-usable*)	
4.1 Plans for making data findable	The data management plan will be available on the DynamO webpage. The data is accessible on the DynamO webpage as reports, and will be searchable including the key words DynamO, WP number and name, deliverable number and name, and topic specific terms.
4.2 Plans for making data openly accessible	The data is accessible as on the DynamO project website (https://www.ivl.se/projekt/dynamo.html) in deliverable 4.1 and bachelor thesis: "Linder, E. (2022). En jämförelse av användningsområden och kemisk sammansättning av skal från blåmusslor och Stillahavsostron. Bachelor thesis. Department of Marine Sciences, University of Gothenburg."
4.3 Plans for making data interoperable	Standard formats of data will be made available (.xlsx) on request, with an information sheet provided, specifying factors mentioned in the data and who collected the data.

4.4 Plans for making data re-usable (through clarifying licenses)	The data is publicly available as a report.
5. Allocation of resources	No additional costs are expected.
6. Data security	IVL is responsible for data security on the project website.
7. Ethical aspects	In all relevant cases will all national ethical aspects related to the performed research be followed.
8. Other	This project (grant number Dnr. 2020-00038) was funded by the Swedish Environmental Protection Agency (Naturvårdsverket) and the Swedish Research Council Formas to improve the management of invasive species in a joint effort with the Swedish Agency for Marine and Water Management (Havs- och vattenmyndigheten) and the Swedish Transport Administration (Trafikverket).

1. Data set name	ENG: WP4: Evaluation of turbidity impacts – clearing activities SE: AP4: Utvärdering av påverkan på vattengrumlighet av resningsaktivitet.
2. Data set owner or user, link to WP and/or Case Study	IVL Swedish Environmental Research Institute. Produced during the DynamO project (Naturvårdsverket - Dnr. 2020-00038), related to WP4, D1.2.
3. Data set summary	The data include lux measured with HOBO loggers December 2023-January 2024 at cleared sites, as well as reference irradiance data from SMHI.
4. FAIR Data (*Findable, Accessible, Interoperable, Re-usable*)	
4.1 Plans for making data findable	The data management plan will be available on the DynamO webpage. The raw data will be made accessible as supplementary online material on a journal website and will be searchable using the

	author names and title of the manuscript as well as topic specific terms (manuscript keywords).
4.2 Plans for making data openly accessible	The data is graphically presented in "Heß, S. (2024). To clear or not to clear? Ecosystem service and cost-efficiency implications for Pacific oyster (*Magallana gigas*) management in Sweden. Master thesis. Department of Marine Sciences, University of Gothenburg." The raw data will be published open access as supplementary online material on a journal website. For more information, contact svenja.hess@ivl.se or IVL (https://www.ivl.se/).
4.3 Plans for making data interoperable	Standard formats of raw data will be made available (e.g., tab-delimited text file or csv.). An information sheet or caption will be provided, specifying the units, and factors mentioned in the data, as well as who collected the data, and spatial and temporal information.
4.4 Plans for making data re-usable (through clarifying licenses)	The data will be publicly available after publication.
5. Allocation of resources	No additional costs are expected.
6. Data security	Until the data is published, all information will be kept by the researchers who will follow data security instructions given by each institution's recommendations. After this, the data will be hosted by the journal website and will follow their guidelines for data security.
7. Ethical aspects	In all relevant cases will all national ethical aspects related to the performed research be followed.
8. Other	This project (grant number Dnr. 2020-00038) was funded by the Swedish Environmental Protection Agency (Naturvårdsverket) and the Swedish Research Council Formas to improve the management of invasive species in a joint effort with the Swedish Agency for Marine and Water Management (Havs- och vattenmyndigheten) and the Swedish Transport Administration (Trafikverket).