



ODYSSEA

Operating a network of integrated observatory
systems in the Mediterranean Sea

ODYSSEA GA Meeting, Tangier, 29-31/10/2019

Meeting notes and action items

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ODYSSEA General Assembly Meeting in Tangier

Date: October 29-31, 2019

Venue: Movenpick Hotel, Tangier, Morocco

Summary of sessions

Day 1: October 29, 2019

Welcome to new people who have joined the team: Kim from Develogic, Helen from WCMC, and Emad and Mohamed from RAED

1. Overview of project status (Georgios)

In M29, the first stage of ODYSSEA is achieved and the project is now entering the second stage for integration and operationalization.

- First review in Brussels was successful and 2nd instalment arrived several months late. We must be very precise in reporting going forward.
- Sustainability of project: A decision reached in Lisbon to consider ODYSSEA a sustainable project which will turn into a business at the end of the implementation period, leveraging the achievements of the of the project. As such we should consider how to expand the budget and enable further development.
- Integration requires all partners to be part of all meetings. The processes for ongoing partner to partner, horizontal communications and collaboration will be put in place over the next year.
- Overview: The Platform is the central deliverable of the project. The observatories are the local representatives to provide services, training makes the system usable by end users, business aspect will lead to increase budget, more service development and more observatories. Malta is interested in becoming another observatory. Admin, financial, legal supporting elements to enable the above.
- Platform is in a good state. Link to beta version is sent for all partners to explore, provide feedback and promote to your end users. The platform combines multiple data sources already, the more we add, the more capacities and opportunities we will have.
- Data The number of static data sets is limited. Georgios has listed potential data that can be integrated – mostly in biodiversity and biology. FEWS and Aquasafe modelling systems will be used in different observatories. Need to integrate glider and lander data into the platform.

Glider data is transferred to observatories. Real time data has to be transferred to the platform/observatory or both. Models will then be able to assimilate this data.

Model data: Delays in model implementation at observatories but we can recapture this time.

AI: Increase attention to developments in Aquasafe. Model should be run at local PCs (Pedro, Nikos)

AI: Integrate glider data into the ODYSSEA platform. (Laurent, Nikolas G.)

Goal is to integrate the oil spill model. Overall, we need a standardized package of models to transfer model knowledge into new observatories.

By **May 2020** these models need to be running, validated and calibrated. Consider with PO if we must change the timeframe.

By **November 2020** we must be able to demonstrate the operational character of the models.

First glider mission accomplished in Thracian sea. A second one will be done by the end of 2020 with the same payloads. Another mission will be done shortly in Morocco. Israel and Tunisia are next.

DUTH is using glider data to correct Sentinel 2/CMEMS data. Also, has developed some algorithms to clean the file and visualize the system through the platform.

Microplastic sensor: was tested and results are considered satisfactory. Challenge now is to be sure that the sensor is recording data reliably and know when we can promote this achievement. Questions/issues that need to be answered/explained include (a) Patent status (b) Status of integration on glider/lander (c) Deployment plans and results analysis

There were significant delays with the delivery of static sensors from Develogic. Three observatories – Greece, Israel, Turkey, were meant to deploy in 2019. Assembly, shipment and deployment in the winter will not be easy. In 2020 Tunisia and Morocco will be the sites of the next deployments and in 2021 Egypt and Algeria are scheduled to follow.

In this regard, the development of D5.3 “Evaluation of Model Operation in Observatories” due for May 2020 is a challenge.

The other major issues that need to be addressed by the Observatory managers in collaboration with instrument providers (Develogic and Alseamar) and partners responsible for models (Deltares & Hidromod) as well as with the support of the Management team are:

- Organize and schedule deployments
- Make sure the systems are reliable
- Establish data flow from sensor to Observatory to platform
- Calibrate/validate models based on data

Services: time to examine use of the platform to provide services of the platform; this includes education, fish farms, etc.

Observatory managers need to approach potential users of maritime data and we need to define business strategies.

Status of observatories – should be discussed. Report all activities planned for training, identifying data needs, end users, define areas for sensor deployment.

Publications are coming out. Would like to see more joint publications. Special issue in WATER journal is being prepared, co-edited by Georgios and Ghada. Timeframe is November 2020 but this is flexible.

Simon K.: the platform is still skeletal and we don't yet have a specific product to provide for a specific market.

Georgios: when we have the models working, there will be products.

Simon K. We want to focus on specific products starting from end of this meeting.

Simon vD. We will dive into this during the meeting and precisely plan the services we will develop.

Georgios: There is a real potential for the platform to provide education related services. The platform is ready for educational services with certificates of education.

2. Sensors (Alseamar, Develogic, Leitac)

Change of plans: Because of political turmoil in Algeria and subsequent inability of local partner to carry out project activities, one glider will be moved from Morocco-Algeria to Morocco-Malta-Tunisia. Political turmoil

Equipment: Microplastic sensor has been developed for the glider and static platforms (lander and surface system); Integration with Develogic sensors is done. Only lab testing available so far; Patent is officially applied for in Europe.

AI: Sergio will get confirmation from patent agent

First mission will deploy the sensor in Italy in March 2020.

Interest in sensor by EU, US and Japan companies – in-situ validation of the sensor will be done using existing data. After testing with ARPA data in Italy, the system will be validated.

Local validation will be done in Barcelona – this is difficult because microplastic data is not being shared. Discussions are underway.

In the Adriatic, ARPA has run some sampling and taken measurements in September 2019 (?). Will compare results from traditional methods

Develogic engineer team headed by Alessio, held a training session in July 2019. Data from the cameras cannot be transmitted as expected. Observatories decided that camera data is not useful as such. Camera data will require additional power source.

Need to know what is to be deployed. Status is presented in a table:

Lander for Greece has ADCP, other sensors and no microplastic sensor

Israel and Turkey surface system – discovered additional sensors which can only be delivered by Jan 15th.

Need to explore the gaps between what is promised in the DoA and the what we will deliver. Camera is missing and this must be clarified.

First glider mission was complicated; a new mission instead was successful. New mission is planned.

Missions need to be prepared in advance!

Sea 38 – tested microplastic sensor. Data was collected from 100-500 meters. Sampling was done for microplastic sensor for validation. This glider will be sent to Morocco for Nov. testing. Acoustic will be added as well. Greek glider will go to Israel next. ADCP data can be added.

Oct 2020 Morocco glider will move to Malta/Tunisia via France. Technical communication must be done in advance. Data communication needs to go from the glider to the observatory-data owners. There needs to be a process to convince authorities about data sensitivity.

There are several levels of data protection.

1- scientific data file goes to the owner and owner can restrict this even from Alseamar. This is not recommended because then data reliability cannot be tested.

Slim: requests at Develogic. Still waiting for the training materials

AI: Kim to speak with Alessio and make sure that training material is sent within 2 weeks

Turkey- will receive the sensors next and don't have questions.

Israel- is ready for deployment. Want to know about ADCP possibility. Georgios considers ADCP impossible to add at surface systems

3. Models (Katerina)

Hydrodynamic models are working - FEWS and Aquasafe both working with Delft3D and SWAN models

Wave models are working – set up for some observatories. FEWS and Aquasafe use different approaches.

Wave buoys data not available yet –

AI: NEED real data from Observatories

Marco- they are using 3D physical biochemical model upgraded for ODYSSEA; they have fully coupled it with benthic model.

Marco's model is providing data from many sources with high quality and this can be interesting

Will consider what can be submitted in the deliverable –

AI UNIBO will upload the BFM data to platform.

4. Observatories (Raanan)

Large variability among the different observatories. Performance in Greece, Turkey, Morocco, Israel and Tunisia is almost the same as written in the DoA.

Italy will not deploy systems but rather the focus is on coupled physical-biogeochemical modeling. The microplastics sensor is of great interest for the Friuli Venezia Giulia regional environment protection agency. It is expected that the microplastic sensor will be experimentally deployed in the Adriatic observatory (Gulf of Trieste) in 2020 with the collaboration of the Friuli Venezia Giulia regional environment protection agency.

Valencia has a lot of sensors. Existing sensors will provide data to the platform.

Egypt has reported waiting for authorization to proceed.

Sensor deployment is happening.

Modelling in the Observatories: big workshop for training was held in March 2018 in Heraklion, hosted by FORTH; most observatories are not yet running models. This is a weakness in the project. We must improve communication/collaboration on this. Business development: Energean oil rig will deploy the lander. Microplastic data may lead to finding a client in Italy; jellyfish warning and ballast water convention are of interest.

AI: Online workshops and webinars for modelling to get the models running at all observatories – next model to be integrated is Water Quality and Ecology model (DELWAQ, Lorinc)

AI: need to define types of data and frequency of feed is required by end users.

AI: need to seek end users

Valencia Observatory (Mercedes): background systems include data measurements and high frequency radar, prediction services; permanent deployment

There is a discussion with Puertos del Estado which can provide data. ODYSSEA role needs to be worked out.

There is no risk analysis for invasive species. This is recognized by the maritime associations. They need an algorithm – Delphi analysis of species survival in different parts of the water column/conditions. Algorithm Marine renewable energy sources – biological variables

VPORTS has presented the Odyssea platform in two events, contacting the main Spanish companies working in Marine Renewable Energies.

Need answers: what do you want from our data- we have the data

AI: Davide will develop a flowchart with all steps from initial concept to final validation.

Kavala Observatory (Georgios): Thracian sea science and technology center; resolution for models are in 1x1 will provide data services to Energean using their boat and a lander; data will be stored locally and harvested to the platform. Gastrade is another gas platform which is evaluating the platform and the system.

DUTH has been collaborating with 1 mussel farm, providing a vessel for deploying the surface system.

Developing a mussel model and will validate the model locally. Algorithm created to transfer measurements.

Have employed the surface system.

Ports in the area have been approached.

Developing features using machine learning techniques to produce maps which are downscaled to the resolution of Copernicus. This fishery management tool can in the future add parameters – increase eutrophication to model climate changes etc. This can give indications about environmental conditions.

Observatory in Turkey covers protected area and data will be used for research and education. Hydrologic model, ecopath model. Can move the sensor to an aquaculture area as an additional end user expressed interest.

Sergio: there are several projects in aquaculture that Leitao is working with, one in Turkey.

AI: Sergio will make connection between IU and aquaculture end user in Turkey.

Tunisia (Hekma): signed an agreement with a local NGO (Notre Grand Bleu) specialized in marine activities who will help in the deployment of the sensor equipment. Surface system will be hosted in a private fish farm so no license is needed. All coordinates are known. The farm asked for specific details about the system to be deployed. Develogic will prepare the surface system as required. Kim will be in contact with

Hekma about the details of the deployment. They will organise a meeting to explain to the fishfarm owners. Slim will help Hekma for hydrodynamic model implementation.

Hydrophone sensor will be useful to monitor the sounds of the dolphins.

Al Kim: will check if they have connectors and other equipment available.

Georgios: Are there other users?

Al: Hekma will organize a workshop and invite stakeholders, local universities, fish farmers and others. Will send info to Dan Gerstendfeld who will promote the event.

Al: in 2 weeks, Hekma will meet with Kim and clarify exactly what is needed

Ra'anán – experience with Israeli fish farms may be able to help.

Dr Emad Adly, the General Coordinator of RAED, and Mohamed Hussien, staff member of RAED for over 20 years, have replaced Essam Nada as the project team of ODYSSEA. RAED is driven by the idea that environment has no borders and although is aware of the constraints for data sharing in Southern Mediterranean, it is also confident to be able to deliver on its engagements. They will look how to have a major scientific/research partner join and support them in carrying out specific project activities, such as deploying the instruments, running the model and reaching out to key end-users.

Morocco: AGIR (Houssine) have been working with fishermen and integrated coastal zone management. The methods from ODYSSEA can be transferred to Atlantic side of the Moroccan coast as well. Will be deploying the lander in Al Hoceima national park with hydrophones which will be good for research by students in the observatory there. Are looking to extend the end users because they have a lander and a surface system to deploy. May deploy the surface system in Tanger harbour.

Israeli observatory (Asaf): The station will be located in the premises of a privately-owned fish farm about 10km offshore the coast of Ashdod, at 80m water depth. Data to be collected includes Temperature, conductivity (salinity), dissolved O₂, turbidity, Chlorophyll a, currents (ADCP data) and microplastic counts. An IT person (Itamar Avishay) has hired and a local workstation (computer) was purchased and installed. We have gained some experience with operating the model (Aquasafe). Currently, the model for existing Israel's data is operating on HIDROMOD servers. We need to install Aquasafe on our computer and start operating locally and once we have data from the static station incorporate the data to the local platform.

Potential end users include:

Approached: Privately owned fish farm, Ministry of agriculture, Ministry of environmental protection (marine environment protection division), the national oceanographic & Limnology institute (IOLR).

Planned to be approached: Local municipalities (Blue Flag program), Desalination plants, Electric company, Ports, marinas, shipping authority, Gas companies.

Now the main challenges are technical and logistic. We are still waiting for confirmation from Develogic on the timetable of arrival of the instruments and if an ADCP will be supplied, as we requested. Once the system will be operative and data flows from the sensors to the platform the main challenge will be to sustain the operation after the completion of project and coverage of costs.

Day 2: October 30, 2019

1. Platform development (Nicolas):

All components are developed and are now integrated in the Toulouse data Center. Now going to integrate algorithms. The server is prepared to host the algorithms. WP7 is developing the algorithms and the packaging.

The platform will be moved to a dedicated server to improve performance. Using new KW8 framework the platform will be ready for deployment on the cloud.

Georgios: can integration of algorithms become more efficient?

Nicolas: GTD has worked with CLS to prepare the container for the algorithms. This process is in place for efficient/quick deployment of the algorithms. All languages for algorithms development will be automatically integrated thanks to the docker framework.

2. WP7 algorithm development

SPNI is building the citizens App. Observatories can promote the use of the data collection by citizens.

Houssine: RAC SPA has programmes and there is a platform for stakeholder data collection for example fishermen. There are many platforms which collect citizens data – maybe we can integrate data from other platforms.

Georgios: same goes for the jellyfish case and marine litter – in both cases citizens can help identify and locate these. This way issues of bycatch, marine mammals monitoring etc can also be tackled.

What is the output of the semantic analysis – if we can process the data from stakeholders.

Claire: producing a network of information aggregated from reports. It has a query function to find patterns. Front end needs to be discussed with end users.

This would be the first time we could make this information visual. Other projects doing this have embedded information but no visualisation.

Simon K. a visualisation tool will be a great marketing tool to get people to the platform.

Georgios: we can make use of this data for other platforms such as booking.com or other tourist platforms – when a user books a holiday, ODYSSEA can inform of the conditions of the sea (temperature/waves/etc.)

Raanan: in the next months data will become available at 3 observatories. How do the observatories with their models, push their data to the platform?

Arik: each observatory should have a mentor to support choosing and setting up services for their end users. Need support for technology, marketing etc. Sharing information for service development among observatories will be very productive.

Emad: Information sharing is not simple in terms of authorization

Georgios: data collected at each observatory site belongs to the local observatory. The data can be harvested by the platform to improve the models and as such improve forecasts.

Emad: this is not clear for the authorities

Georgios: the information is only worked on at the platform- this is not shared with anyone. Using local data, we can improve the modelling and then the service for that area will improve.

3. Platform demonstration

Today the platform is in a skeletal form. Now we begin to create the services for people to use.

Ask for feedback from partners. Students at the summer school provided good feedback. Adding legal terminology.

V1 integrated on CLS premises – V1 is moving to ODYSSEA data center by end Nov 2019 – all components will be cloud ready, Kubernetes framework, compliant with cloud, very new features. Integration of model output and integrate first output from sensors at observatory sites.

Simon K. we will be stuck with the name ODYSSEA name – we have a branding issue and should deal with this. Change name in platform to make it marketable: MedView Pro, MedView+

Meny: branding should take into account both the marketing aspects and the sooner the better because the project will begin to accumulate good will and reputation and we should use it. Second aspect is the legal issue – select a name which can be registered as a trademark in the relevant geographic areas.

AI: all partners are requested to propose a few name ideas for the platform. Simon K will organise the process.

AI: Mohamed /RAED will reactivate Facebook page and reach out to new end-users, targeting in particular fishers, young scientists and tourism professionals.

Lorinc presented the first feedback from the summer school. We need more feedback!

AI all partners are requested to fill in the evaluation sheet. AI: Simon K will put a button on the platform to access the assessment sheet.

AI: academic partners should show the platform and ask for feedback from students.

AI: tech partners can ask for feedback from trusted customers

AI observatory managers can show this to their end users

Nicolas: needs for the platform must to be specified ; we need to improve the process of deciding and prioritizing because there is one year left for development.

AI: set up a team to discuss the future needs and prioritize (Georgios, Simon, Laura, Lorinc, Simon K., Nicolas G., Claire D.)

4. Platform services

Reviewed high priority services and asked observatory managers about their local needs. Each mentioned their needs and what they could promote to their end users.

Will start to create 2 mock-ups for 2 business cases.

TRIX and wave power

Agreed by the consortium as the first two.

AI: Simon K will take 2 weeks to prepare the mock-ups. Nicolas G. and Simon K. will estimate the cost to develop each of these.

5. Business Cases

Presentation of two tools proposed to start with the ODYSSEA business strategy:

-MULO : Future exploitation plan claimed by

-Business Model Canvas (BMC)s analysis: The Business model canvas is the tool used to evaluate each business case – value proposition for the customer, what it costs, revenue streams etc. Early warning of jelly fish bloom was done as an exercise. This process has to be done for all business cases. The next one will be Eutrophication and wave power.

The platform technology can also be used for supporting additional activities. Maintenance costs and development costs of the platform need to be developed.

A budget for managing the platform will be developed – foreseeing income, costs and expenses, IPR etc. This will enable ODYSSEA to determine exploitation beyond the implementation period.

AI: set up regular calls with teams for taking the business cases forward – need to include tech, user and business representatives.

- i) TRIX eutrophication team: Greece, Tunisia and Simon K
- ii) Wave power team: Assaf Israel, Valencia, Morocco, Simon K

AI: set up conversations with observatory managers to do the Business Model Canvas exercise.

AI: complete the MULO exercise with all the partners

Day 3: October 31, 2019

1. Legal issues of ODYSSEA

Meny, our lawyer, noted the legal framework for long term sustainability of ODYSSEA.

Establishing a jointly owned corporation is the most recommended after comparing this with other options of Partnership, NGO and collaboration without a joint legal entity. A Corporation provides protection to shareholders against law suits etc; details regarding NGOs will be reviewed on a country by country basis. In most cases NGOs may be shareholders as long as the activity does not become the main activity of the NGO. AI: Establish a legal sustainability steering committee.

AI: prepare a description of the concept for partners to review

AI: each partner is requested to send the contact information of a decision maker from their organization

2. European Research Infrastructure Consortium (ERIC) – Simon K

Described the concept and how it could be relevant for ODYSSEA. Countries outside of Europe are invited. It is a different method of funding further work. Leverage countries to contribute to shared infrastructure. If ODYSSEA can support tourism, the governments can financially support these infrastructures

3. Increasing available budget – Simon vD

Additional grants are possible and should be explored. Revenue from sales to the public or private sector is also to be considered. Other options could include private equity (from shareholders or external).

Earning money for providing services is eligible, allowed and the money is not reduced from the grant.

AI(Action Item): each business case needs to be prepared by the exploitation team and to be presented at the next GA.

Observatories are the sales force on the ground and need training and materials for this.

4. Citizen's App – Simon K

Should be ready to use on an app store by next year and we will analyse the usage.

The deliverable requires integration into the platform. Long term for the app needs to be determined.

AI: Simon K will share it with the consortium and all are asked for feedback.

AI: Disclaimer for the app – Meny should review

Simon K showed the concept. The input can be added to the platform but selling this data is legally tricky.

Existing apps for jellyfish and litter. We can improve our app to make it more scientific. We can call the app a 'Public engagement' app and link to more scientific apps.

EcoOcean should contribute to making the App more scientific.

Discussion as to the purpose of this app – options to consider this app for collecting data, or an access point to the platform.

Agreement that an ODYSSEA app is much simpler to produce. This could turn into a source of revenue. The decision was therefore taken to abandon the path already taken and redesign to be a mobile front end to the platform and to integrate citizen science data where possible. Simon K to discuss with SPNI and arrange.

5. GDPR Issues – Meny

Introduced EU regulation reinforcing individuals' data privacy rights. It covers all forms of 'personal data' relating to an individual person, from name to work performance. It affects all EU establishment ODYSSEA can be qualified as "Data controller" and is therefore directly concerned. Odyssea platform users have rights and Odyssea is generally required to provide users these rights.

GDPR requires that Odyssea delete copies of data it no longer uses, complete anonymization is only alternative to deletion.

incomprehensive security best practices need to be avoided just as Data breach incidents which must be reported within 72 hours. We must consider privacy and data protection issues while Vendors and Service providers involved in data processing must be vetted for GDPR compliance

AI: Develop and establish outstanding policies

AI: Establish a GDPR steering committee for Odyssea, with Odyssea's legal counsel

6. Milestones, Reporting, Administration – Bracha, Simon vD & Menelaos

25 out of 51 deliverables submitted all in time, the rest together with 9 milestones (out of 12) need to be completed till end of project.

Although we had several months delay, 1st Interim financial and narrative report was fully approved, just as a large Amendment integrating various requests from many partners was accepted.

In management, regular and frequent CC assured smooth and effective coordination

AI: Internal 6-month financial report, next one is due for December 10, 2019 covering period May-November 2019

AI: Interim report for the European Commission is due in M36-31 May 2020

Ai: Each partner: Ongoing communication reporting: fill in your dissemination and communication activities

AI: WP Leaders: Collect summary of activities of all WP participants

The following meetings were agreed:

- WP leaders meeting, Heraklion, Greece, May 2020
- GA meeting 27-29/10/2020, Valencia, Spain
- Review meeting, tbd by EC

Other meetings will be set as needed.

- In 2020, SPA/RAC will lead the organisation of a summer school in Tunisia
- Ta training workshop in El Houceima
- a training workshop in Egypt

in close collaboration with local partner and the support of the involved Consortium partners.

Amendment will be prepared in combination with Interim Report.

Given that Algerian Observatory is not able to participate in any project activities because of political turmoil since beginning 2019, the Consortium unanimously agreed that the Coordinator with the support of the Management team informs the Commission and assigns remaining resources to other Observatories.

Summary of Action Items

#	Action Description	Lead	Date
1	Increase attention to developments in Aquasafe, implement it in selected observatories, explore possibility to integrate oil spill model.	Pedro	December 2019
2	Get confirmation from patent agent for microplastic sensor	Sergio	January 2020
3	Integrate glider data into the ODYSSEA platform.	Laurent, Nikolas G.	December 2019
4	Send training material for Develogic equipment to Observatories	Kim / Alessio	November 2019
5	Observatories need to collect and send data to feed and validate FEWS and Aquasafe models	Katerina & Houssine/Hekma /Assaf-Arik/Emad-Mohamed/Yelda-Cetin/Nikos/Marco/Raanan&Menelaos	December 2019
6	Decide content and timeline for <i>D4.2 Report of models validation results in each Observatory</i>	Katerina	January 2020
7	Online workshops and webinars for modelling to get the models running at all observatories	Lorinc & Pedro	December 2019
8	Define types of data and frequency of feed that is required by end users.	Lorinc & Pedro	December 2019
9	Seek end users	Houssine/Hekma/Slim/Assaf-Arik/Emad-Mohamed/Yelda-Cetin/Georgios/Marco/Mercedes	On going
10	Develop a flowchart with all steps, from initial concept to final validation, for Marine Renewable Energy Sources	Davide	December 2019
11	Establish connection between IU and aquaculture end user in Turkey	Sergio	December 2019
12	Check if there are have connectors and other equipment available to optimize use of deployed sensoric systems .	Kim	November 2019
13	Organise a workshop in Tunis and invite stakeholders, local universities, fish farmers and others.	Hekma / Slim	November 2019
14	Hekma will meet with Kim and clarify exactly what is needed for the deployment of Develogic sensoric systems in Tunisia	Hekma / Kim	November 2019
15	Move platform to new ODYSSEA data center	Nicolas G.	November 2019
16	Each partner will propose a few name ideas for the platform	Simon K.	November 2019
17	Reactivate ODYSSEA Egypt Facebook page and reach out to new end-users, targeting in particular fishers, young scientists and tourism professionals.	Mohamed	November 2019
18	All partners are requested to fill in the Platform evaluation sheet	Sonja	November 2019

19	Academic partners will show the platform and ask for feedback from students.	Noam	November 2019
20	Simon K will put a button on the platform to easily access the assessment sheet.	Simon K.	November 2019
21	Tech partners will ask for feedback from trusted customers	Simon K.	November 2019
22	Observatory managers can show this to their end users	Raanan / Menelaos	November 2019
23	Set up a team to discuss the future needs and prioritise	Simon K.	November 2019
24	Prepare the mock-ups for Platform services and estimate development cost for each one	Simon K. & Nicolas G.	November 2019
25	Set up regular calls with teams for taking the business cases forward (include tech, user and business representatives)	Laura/Helen	December 2019
26	Set up conversations with observatory managers to do the Canvas exercise	Laura/Helen/Claire D.	December 2019
27	Establish and convene a legal sustainability steering committee	Meny	January 2020
28	Prepare a description of the concept of Corporate structure for partners to review	Meny	November 2019
29	Each partner will send the contact information of a decision maker from own organisation	Meny	December 2019
30	Each business case needs to be prepared by the exploitation team and to be presented at the next GA	SvD	April 2020
31	Share App with the consortium and gather feedback from all partners	Simon K.	November 2019
32	Review disclaimer for the app	Meny	November 2019
33	Develop and establish GDPR outstanding policies	Meny	March 2020
34	Establish a GDPR steering committee for Odyssea, with Odyssea's legal counsel	Meny	March 2020
35	Collect Internal 6-month financial report	Milena / Menelaos	December 2019
36	Collect individual partner contributions for Interim Narrative and Financial report for the European Commission	SvD / Bracha / Menelaos	June 2020
37	Update Communication and Dissemination Log (http://odysseaplatform.eu/shared-documents/Project Information> Shared documents> P2 ODYSSEA Outreach and Communication Activities Log M18-36)	All	On going
38	Collect summary of activities of all WP participants	WP leaders	April 2020
39	Prepare Amendment	SvD / Milena / Menelaos	June 2020
40	Inform Commission about Algerian Observatory situation	Georgios & SvD	December 2020
41	AI: complete the MULO exercise with all the partners	Laura/Helen/Claire D.	April 2020

