

SURICATES Project Team Meeting – CIT, Cork

WPT1

2pm to 5:30pm, 26th February, 2018

Attendance:

R. Lord (University of Strathclyde)
T. Debuigne (iXsane)
E. Masson (Université de Lille),
J. Harrington (Cork Institute of Technology)
S. Nuyts (University College Cork)
M. Chabannes (Armines Ecole de Mines)
D. O' Dwyer (CIT)
J. Murphy (UCC)

Apologies:

B. Lemiere (BRGM)
J.M Mossman (BRGM)

1. Welcome & Introductions

J. Harrington opened the meeting.

2. WP1 – An Overview (incl. outputs, activities and deliverables)

J. Harrington provided a brief overview of the WPT1 element of the project (in the context of the overall project and the other Work Packages).

3. WP1 Activity 1 – Method for Assessing Social Risk & Opportunity (GIS)

E. Masson (UL) presented on WPT1 Activity 1 (GIS). E. Masson presented the background to the existing GIS model that has been developed in the CEAMaS Project. The results are stakeholder driven. On a geographic basis the model can indicate or define areas with spatial/no spatial consensus or rejected areas. The CEAMaS model was regional in nature (with 100m squares), the updated model will be more detailed. The updated model will use free open source software (QGIS) and is coded in Python language.

The GIS add-on is currently nearing completion by UL; it is under development and well advanced and testing is on-going. This part of this Activity 1 is on schedule for completion by December 2018. UL will meet with UCC to progress matters in May, 2018.

A question is how can individual ports use the add-on GIS system? The add-on is being developed in a way that allows individual shape files to be conveniently used by Ports. A meeting with the Port of Dunkerque may be helpful to explore their view of such a tool and find out more about what GIS tool they already use.

In the implementation phase of the project SURICATES will interact with Ports and provide training if necessary. The challenge will be to get buy-in from individual ports; some are Associated Partners, the project may target more. This will involve interaction and buy-in from individual ports; there are potential benefits for the ports in this exercise, we in SURICATES need to convince them of the added-value of this work (T. Debuigne has already initiated contact with the Port of Dunkerque on this). Scottish Canals may be a suitable partner to interact with on this as a learning exercise.

Discussion took place on what data would be required, for example, for the Clyde Estuary where SEPA (Scottish Environmental Protection Agency) have undertaken recent flood risk mapping work.

4. WP1 Activity 2 – Global Cost & Benefit Analysis (Economic & Environmental)

J. Harrington presented on the CEAMaS tool.

T. Debuigne presented a PRISMA tool presentation; an optimisation tool.

Discussion was held regarding how the models could be used for this project. Armines to review and indicate how its model can be used.

A methodology must be set up for the overall integration of the models for global cost and benefits at a territorial scale. An optimisation process similar to the PRISMA project would be involved.

There needs to be a clear view of the project scale for study, e.g. a region/city scale/other – need to review in the context of economic theory. The limit of the appropriate sediment transport distance was discussed, for example the GIS model in CEAMaS was based on a 50km distance – this might indicate a territorial area. Also could use the NUTS levels or socio-economic areas (E. Masson); NUTS 2 is a region, NUTS 3 is sub-regional level. Eurostat database is based on NUTS (E. Masson). This may be relevant to the study areas used in the Suricates project.

An economist must be consulted re: regional versus national scales in terms of economic impact. Can we set up a local input/output economic modelling approach in the context of a region where the decisions on sediment reuse are made? This would be important to local stakeholders in a broader context.

Discussion held re: regulator area of responsibility – SEPA in Scotland, UK EPA, DREAL in France and EPA in Ireland.

What are the key questions that need to be answered to progress this work package at this stage?

- Regional/Local/Global Impacts for different types of analyses –economic, environmental/LCA, stakeholder view and requirements? GIS may allow some extrapolation to smaller areas/regions and specific industries/types of industries.
- Economic multipliers – National versus Regional
- Potential IP issues for Armine solver
- Environmental criteria that we assess – need to seek an environmental modeller – Environmental Impact Assessment Approaches
- What type of model can be developed?
- We need to compare the models and see what they do/how they can be integrated
- Environmental indicators, e.g. CO₂, GHG – what should be analysed and compared?

Actions:

- **CIT and UCC to liaise regarding economic impact areas (city/regional/national) and associated methodologies and consult with D. Jordan, UCC**
- **Potential IP issues for Armine solver to be pursued by Armine**
- **CIT/UCC and Armines to summarise current cost/economic models in terms of inputs and parameters, analyses, outputs, software involved etc. as a first step**
- **The next step would involve comparison of models and discussion re:potential integration**
- **UoS to review types of environmental analyses – EIA (CO₂, GHG) and/or LCA?**
- **CIT/UCC to liaise with local partner ports in advance of further project work, GIS-work, for example**
- **T. Debuigne to circulate a brief project presentation made to the Port of Dunkerque**
- **Project partners (CIT, UCC, iXsane, BRGM, UL, Armines) to interact and develop a full list of potential requirements for interaction with Ports and Scottish Canals (in advance of individual contact with Ports in Ireland, Scotland and France).**
- **J. Harrington to contact Peel Ports to open the discussion with the Scottish Partners (after we advance the full list of potential requirements for interaction with the Ports).**
- **E. Masson to contact Port of Rotterdam re:GIS**
- **UL to continue testing the GIS add-on**
- **UL/UCC meeting in mid-May to progress GIS work including potentially meeting with relevant port personnel**

5. WP1 Activity 3 – Real Time Monitoring

This activity is led by BRGM. It will need to be discussed in the upcoming meetings with the Ports across the partnership and to explore how the Ports may use this technology.

Action: JH to contact BRGM to seek information on the monitoring system and how it could be included in the dredging strategy for the Ports. JH to also request of BRGM what

information they need from the other Project Partners to allow them to progress their work on this activity.

6. Planned Meetings for 2018 (Who, Where, What...)

Dedicated work package sessions will be scheduled for the Steering Committee Meeting in Glasgow in September, 2018 including WP1, WP2, Communication, Management and LTE.

Individual working meetings may be arranged in the interim between partners to progress individual matters.

Monthly progress meetings to be arranged via skype, telecom for this workpackage. Limited in duration. The first is scheduled for Tuesday, 17th April at 11am (Irish/UK time). The actions outlined in these minutes will be reviewed and progressed as necessary.

7. General Discussion on Suricates

First partnership agreement is in place (including Cd2e). Cd2e will claim the preparatory costs (as per the earlier January agreement by the project partners) which have not been paid yet but expected this week. The current subsidy contract has already been signed by Cd2e.

E. Masson requested partners to check the updated partnership agreement. This agreement will be circulated for signature shortly but requires the agreement of some remaining partners.

Action: E. Masson will follow up.

The project application form will be updated by UL and iXsane to reflect the new project partnership but cannot begin until payment to Cd2e is complete and the EMS system is opened up. Individual partners will have to review the updated application form.

The budget can be updated via the Excel worksheet by the individual partners where additional tasks have been assigned; the budget comment cells can also be updated as necessary by project partners.

Action: E. Masson to circulate the Excel budget update spreadsheet.

Action: Project Partners to update the Excel budget spreadsheet as necessary and required and ensure that the total budget per partner is consistent between the partnership agreement and budget spreadsheet. The updated spreadsheet to be returned to E. Masson.

A new subsidy contract will need to be signed by UL (after updating on the EMS system).

The expectation is that the updated application form will be complete within 2 weeks and all administrative documentation and tasks will be completed within the next month. The recruitment process can then proceed for each relevant project partner with a potential lead in time of approximately 3 months from completion of documentation.

Action: E. Masson to circulate the new contract when complete.

Action: E. Masson to circulate the old subsidy contract to project partners for information purposes.

The type of project staffing and profiles needed was discussed including contract researcher/post doc positions. Recruitment needs vary by partner from 'as soon as possible' to after the Summer. Recruitment will be primarily technical staff.

Action: Individual project partners to progress recruitment (when all contracts/agreements signed) as appropriate.

The sharing of project documents and data was discussed, dropbox and individual university file management systems were discussed.

Action: E. Masson and R. Lord to follow up locally re: potential file/document management system.

The approach to launching the project was discussed. There is a dedicated location on the Interreg website for Suricates. After all documentation and approval is completed this location can be populated with project information. This is a communication work package issue.

Advisory Committee discussed (led by iXsane). External experts from the field of land erosion/flooding/sediment management to orient the project, provide ideas and advice. Two meetings are planned over the project duration. The Associated Partners are already on the Advisory Committee. Additional ports, for example, contacted may be nominated to join the Advisory Committee.

The Advisory Committee is envisaged to meet in 2019 and to be discussed by the Steering Committee at the September 2018 meeting.

Action: Project Partners to nominate experts to the Advisory Committee.

The Review Committee (led by Armines) will involve experts not involved in Suricates and will assess the project.

The Review Committee is envisaged to meet in 2020 or 2021 and to be discussed by the Steering Committee at the September 2018 meeting.

Action: Project Partners to nominate experts to the Review Committee.

A discussion was held regarding Activity 1 under the LTE Work package specifically sediment related data and documentation that may be available. E. Masson and T. Debuigne outlined their thoughts.

Action. E. Masson to draft a short summary of requirements (after discussion with UL colleagues).

Action: CIT & UCC to subsequently progress for South of Ireland.