

Interreg



EUROPEAN UNION

France (Channel
Manche) England

RaNTrans

European Regional Development Fund

Rapid Reduction of Nutrients in Transitional waters

RaNTrans

<https://rantransproject.com/>

@ProjectRaNTrans

01/02/2021 (Rohan Smith)

Session Objections

- You will be able to understand:
 - The need for Project RaNTrans
 - The project plan and what will be delivered
 - Who are involve
 - Study locations
 - Work Packages and Outputs
 - How to get involve

The need for Project RaNTrans

- Coastal water bodies in the Channel region are impacted by elevated nutrient levels from fertiliser use and human waste.
- Reduced water quality and coastal eutrophication (excessive algal mat growth)



The project plan and what will be delivered

- Rantran is externally funded by Interreg
- The working partnership is lead by UoP
- 5yr duration (end 30/06/2023)
 - Covid restrictions
- Develop and test novel methods in 5 work packages
- 20% increase water quality – Good Ecological Status

The screenshot shows the website for the project 'Rapid Reduction of Nutrients in Transitional Waters' (RaNTrans). The header includes the Interreg logo for France (Channel Manche) and England, along with the European Union flag. Navigation links include Home, Programme, Projects (highlighted), News & Events, and Contact. A circular icon with a fish and waves is visible on the right. The main content area displays the project title and name. Below this, a yellow box contains four key metrics: Specific Objective (Coastal and Transitional Water Ecosystems), Project Budget (€ 2,9 M), ERDF Amount (€ 1,9M), and Duration (11/2018 - 12/2021 (37 months)). A yellow callout box indicates the project is 'Extended to June 2023'.

Metric	Value
Specific Objective	Coastal and Transitional Water Ecosystems
Project Budget	€ 2,9 M
ERDF Amount	€ 1,9M
Duration	11/2018 - 12/2021 (37 months)


Extended to June 2023


Who are involve

Lead Partner


 **University of Portsmouth**
Hampshire, England

Project Partners

 **Bournemouth University**
Bournemouth, England

 **Sustainable Feeds Ltd**
Northumberland, England

 **Centre for Environment,
Fisheries and Aquaculture**
Suffolk, England

 **Natural England**
Hampshire, England

 **Université de Caen Normandie**
Calvados, France

 **Université de Bretagne
Occidentale**
Finistère, France

 **Centre d'Etude et de
Valorisation des Algues**
Cotes-d'Armor, France

 **Aleor**
Cotes-d'Armor, France

 **Argans France**
Finistère, France

- NE Budget (total for 5yrs Euro 231,901.45)
- FTE (1.4) agreed
- Regulatory assessment
- Technical and non-technical communication
 - Website /newsletters/poster/twitter
- Stakeholders engagement

Study locations

1. UoP
2. CEVA
3. CEFAS
4. BU
5. ARGANS
6. UCN
7. UBO
8. NE
9. Aleor



England

- Holes Bay (Poole Harbour);
- Langstone Harbour (Solent);

France

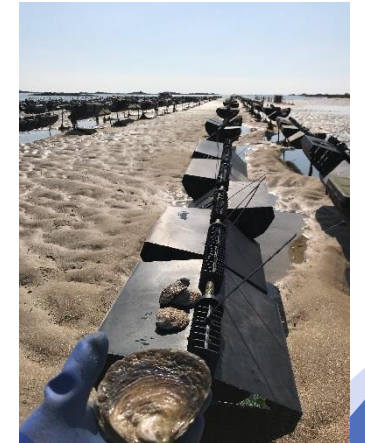
- Ledano Mudflat / Trieux estuary (Côtes d'Armor);
- Baie des Veys / Orne Estuary (Calvados).

Work Packages and Outputs

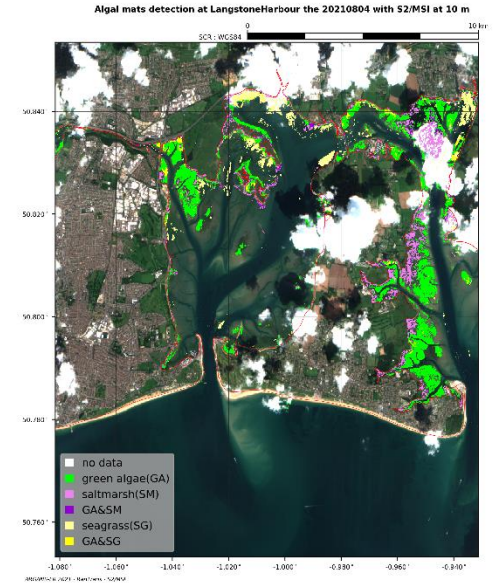
1. Novel boat algal mat removal method 4000t/yr.
2. Novel marine worms (30t/yr.) converted to aquaculture feed
3. Seaweed culture (25t/hectare)
4. Oyster culture (>400t/hectare)
5. Biochemical extracts
6. End User toolkit (Interactive Maps)



© Alexander Semenov
— King ragworm can be up to 90cm long.



2021 Work continues ...



For further information

- <https://rantransproject.com/>
- <https://www.channelmanche.com/en/projects/approved-projects/rapid-reduction-of-nutrients-in-transitional-waters/>
- [Twitter - https://twitter.com/projectrantrans?lang=en-gb](https://twitter.com/projectrantrans?lang=en-gb)
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- <http://www.solentforum.org/networking/meeting/GordonWatson.pdf>