



NORTH SEA BALLAST WATER



NORTH SEA BALLAST WATER OPPORTUNITY (NSBWO)

2009-2014

Regional Co-operation paved the way for global BWM Convention

NSBWO created bandwagon effect; extended from 40 - 200 co-operators.

At take off, only one North Sea state (Norway) had ratified. Sharing strategies led to four more ratifications (Sweden, Netherlands, Denmark and Germany), a sixth (Belgium) is close.

At least six type-approved BWM systems developed within NSBWO

New ballast water test sites and a contingency solution for ports



European Union The European Regional Development Fund

**The Interreg IVB
North Sea Region
Programme**

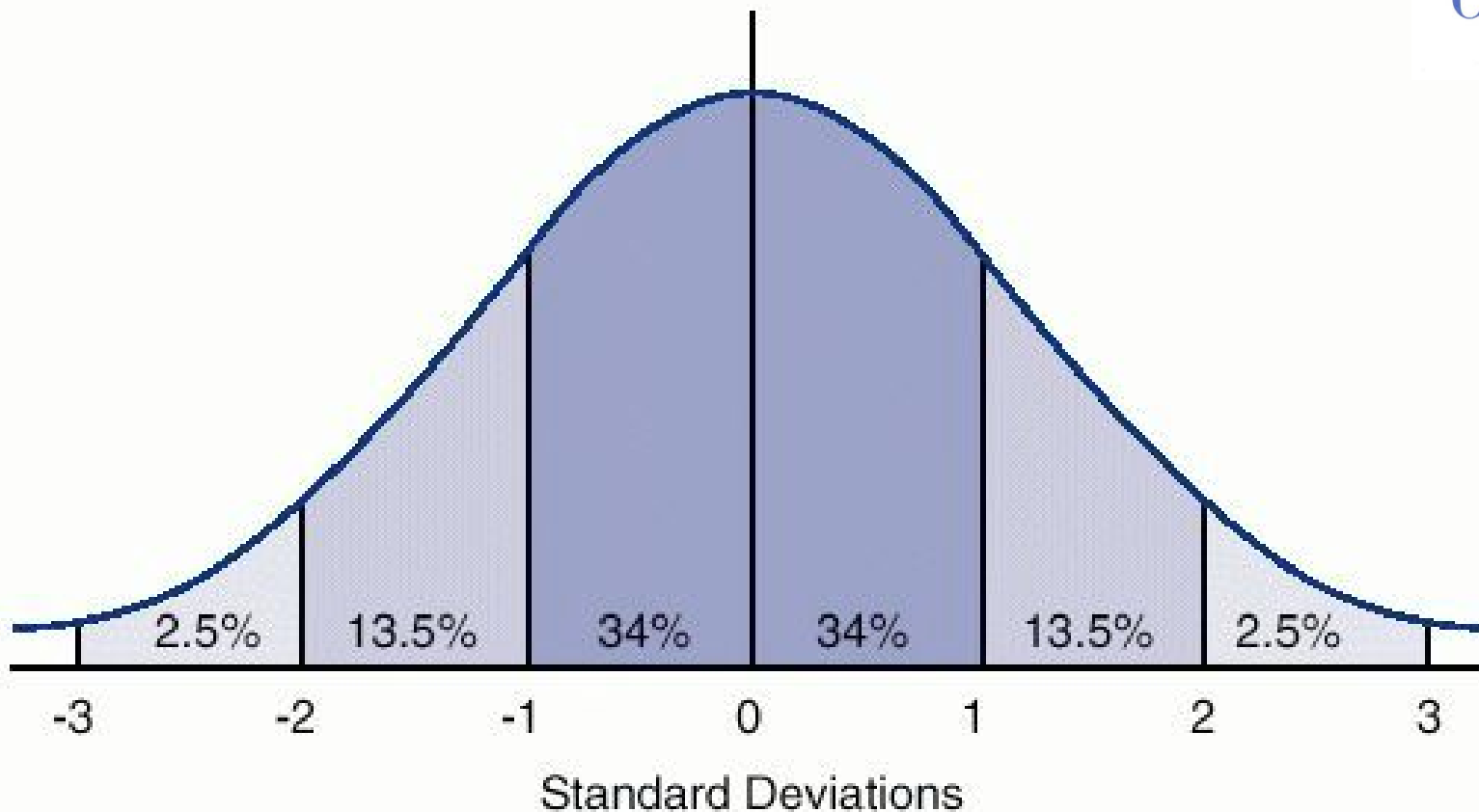


Investing in the future by working together
for a sustainable and competitive region



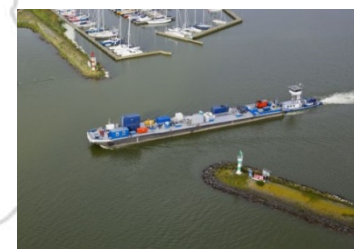
- BWMC Publication, Updated (Partner BSH)
- Ballast Water Book for Children (Partner WMU)
- Towards participatory and transparent implementation of the Ballast Water Management, author Ellen Ninaber – *Interviews with ship owners; analysis of innovation processes* (Partner CaTO)
- Press release Achievements of the NSBWO project (2009-2014). (CaTO)
- Information paper to MEPC 68 (MEPC 68/INF.20) (BSH):
 - ❖ Workshops on organism detection technologies, compliance control, monitoring and enforcement and ecotoxicity testing during land-based. *Submitted by Denmark, Germany, Netherlands, Norway and United Kingdom.*





Innovation process: five categories in embarking on an innovation trajectory:

1. Innovators (2.3%)
2. Early adopters (13.5%)
3. Early majority (34%)
4. Late majority (34%)
5. Laggards (16%)





The vast majority is resistant to change

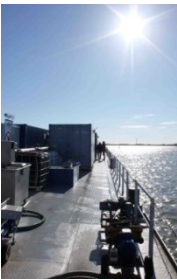
UN and UN Organizations recognise the need for a more inclusive and participatory approach to policy making

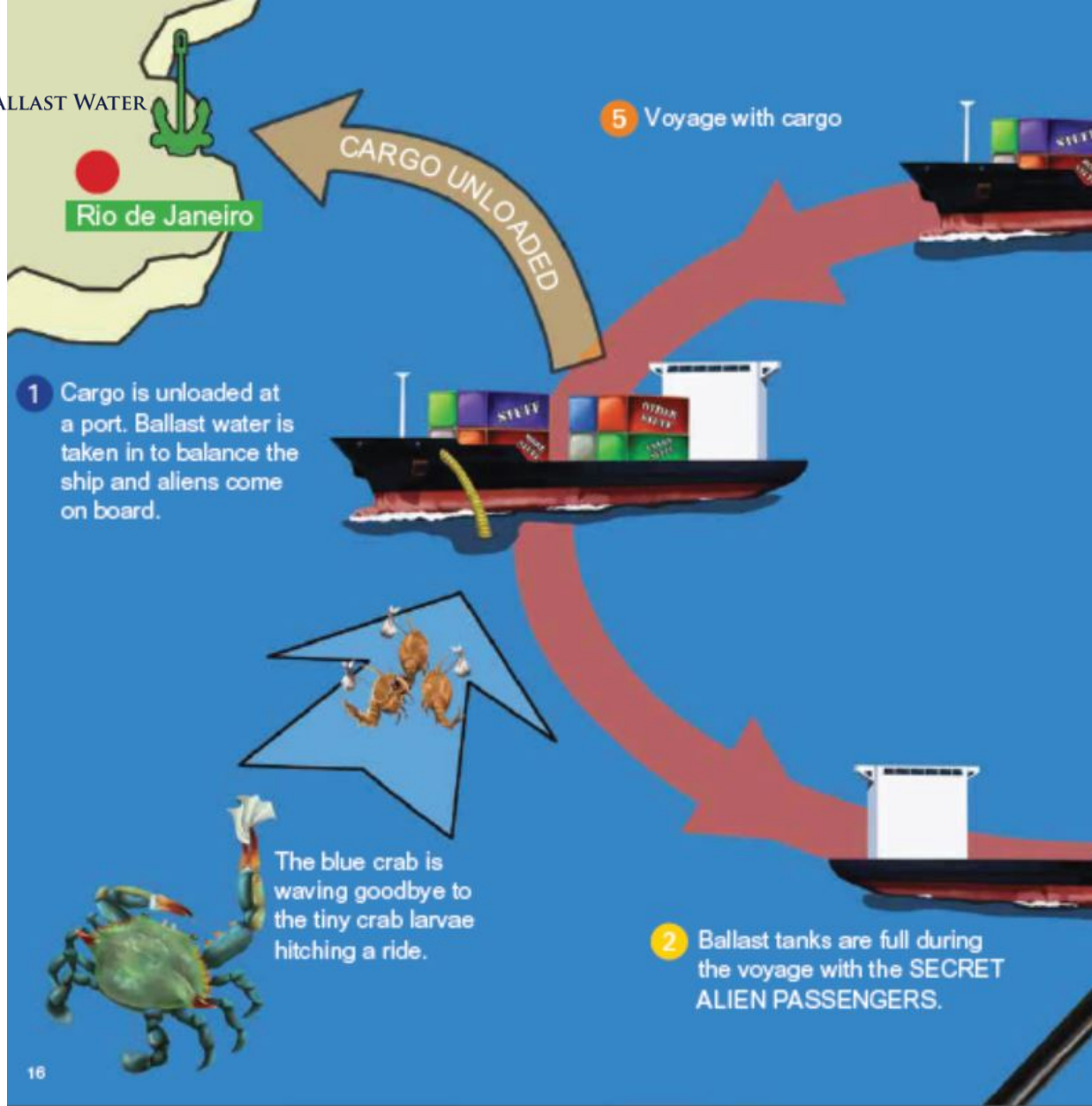
Recognise the differences in positions towards innovation:

- Support for exploring new strategies to involve sector in implementation.

Support strategies:

- Pioneering rewards - appreciation of pioneer's role in implementation
- Make the introduction of innovation more transparent and do-able for all parties involved



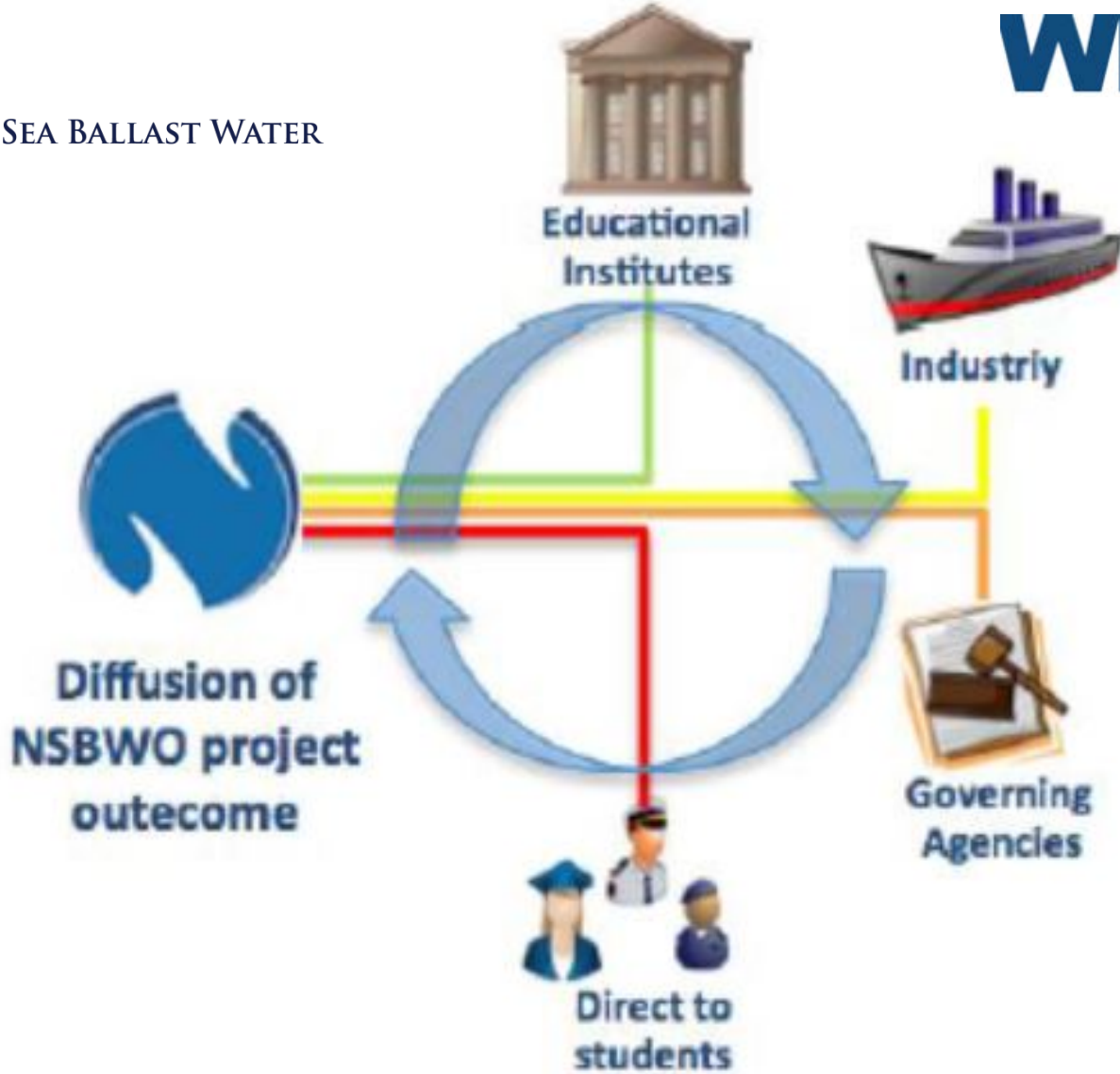


Aliens in the Sea

Children's book on ballast water



NORTH SEA BALLAST WATER



E-learning tool based on invasive species database, NORAS, a research outcome of NSBWO





Spin Off NSBWO: Port-based Contingency



**Spin Off NSBWO BWM test facility MEA-nl;
Port-based contingency system at MEA-Innovator test barge**



NORTH SEA BALLAST WATER



www.northseaballast.eu

Project Partners:

- Project Partner
- UNIO
- BYONIP
- IMMANT
- NIDZ
- zebra
- Project sub-partners:
- BFR
- GGVestbyr
- LCP
- FFI
- KVNR
- MARCHA
- NVA
- Port of Antwerp
- SEAS AT RTSIC
- Sea
- IUCN

Project Consultants:

- Project members



Partners & Subpartners NSBWO

European Union The European Regional Development Fund

The Interreg IVB North Sea Region Programme

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