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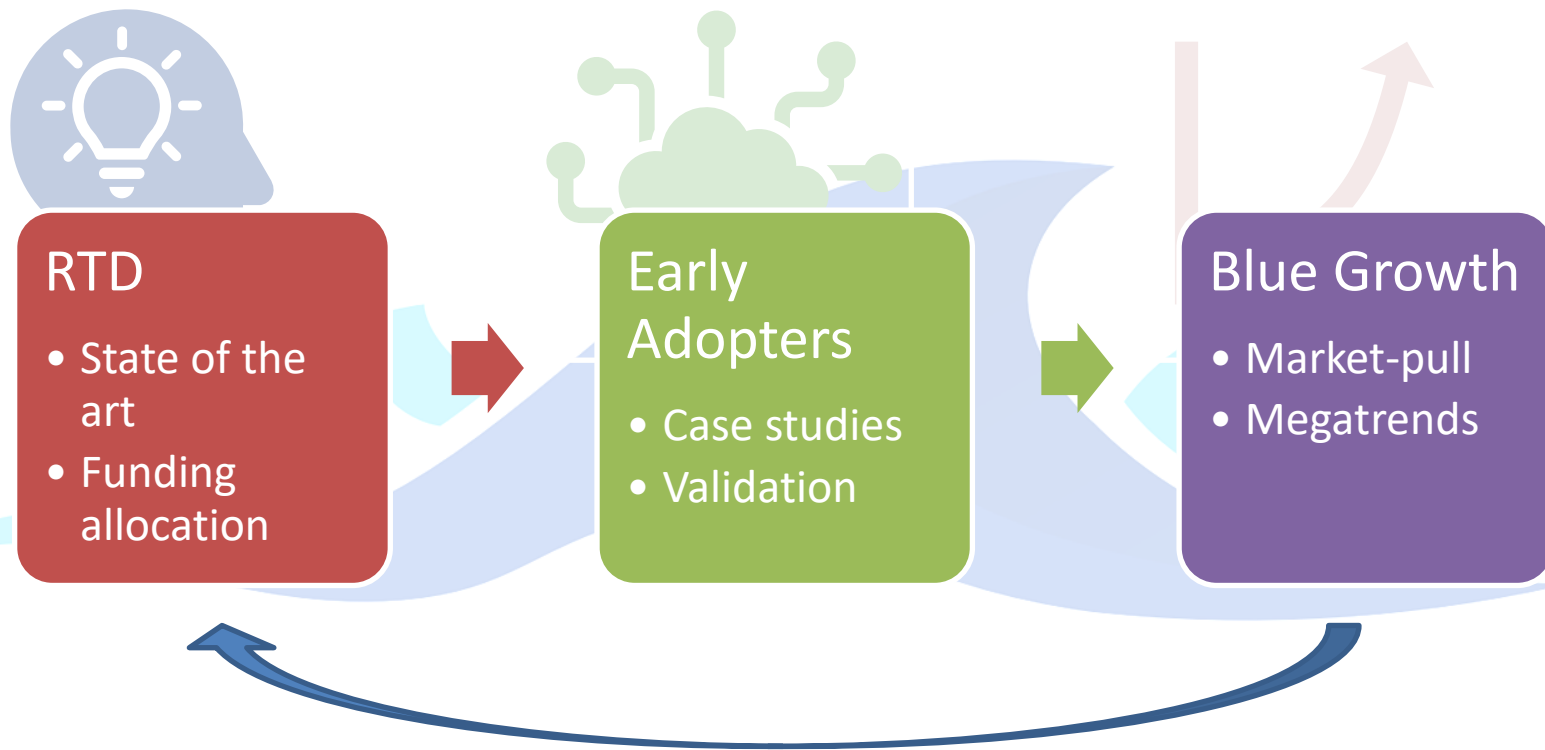
KETmaritime Legacy Beyond 2020

Business2Sea Workshop, Online

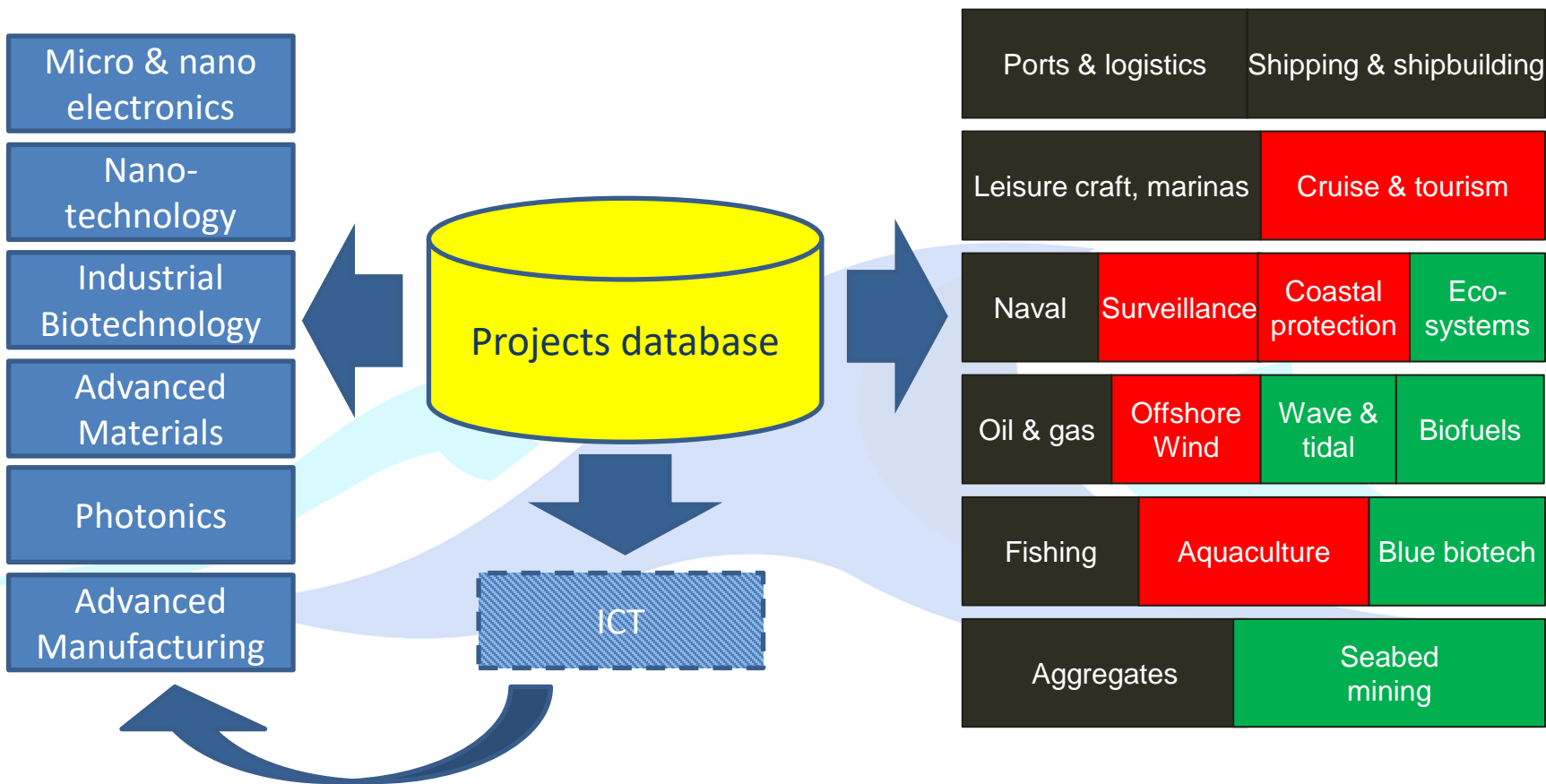
Jonathan Williams, Marine South East

17th November 2020

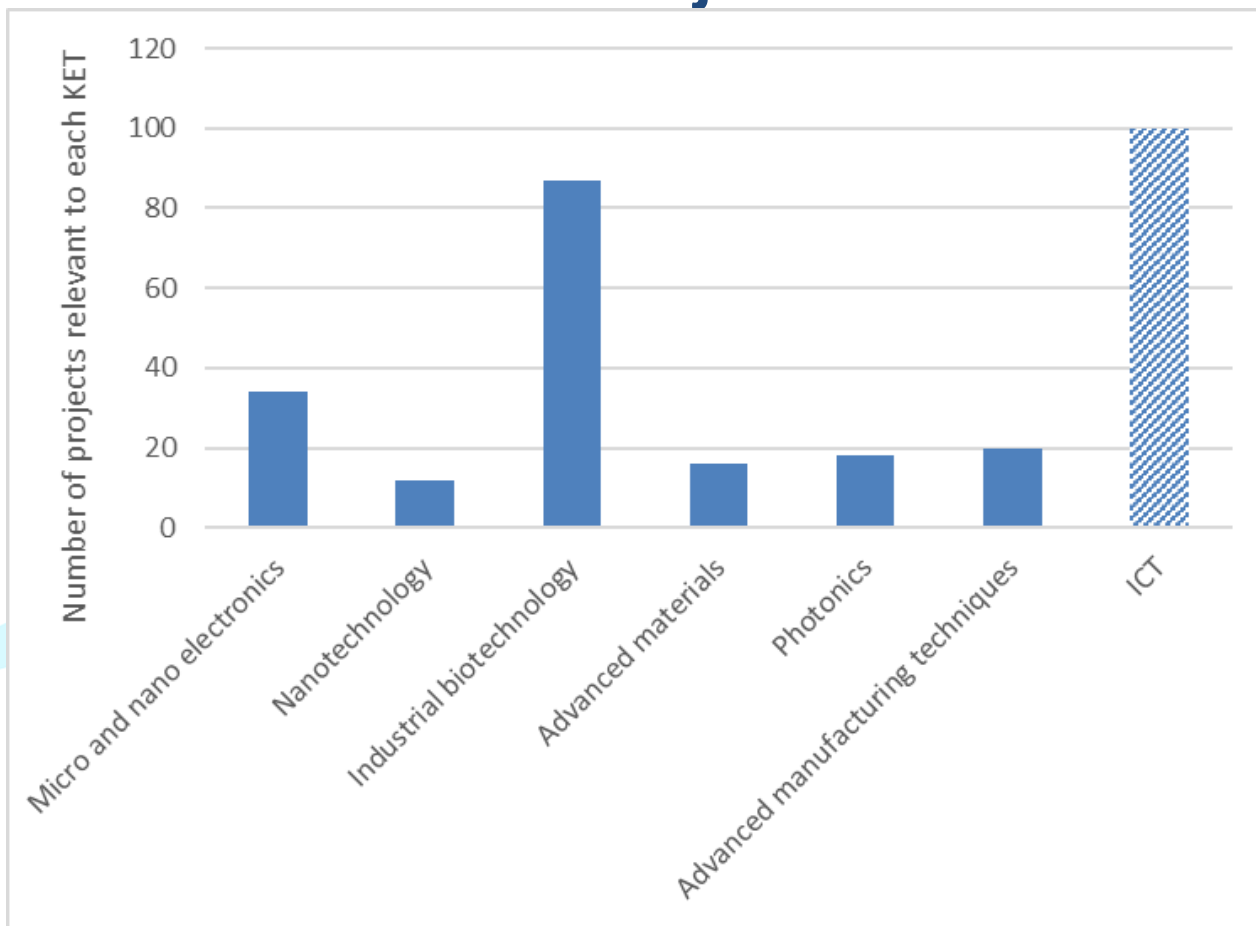
Accelerating KET Commercialisation in Blue Economy



Mapping Against Blue Growth Priorities



Distribution of Maritime Projects across KETs



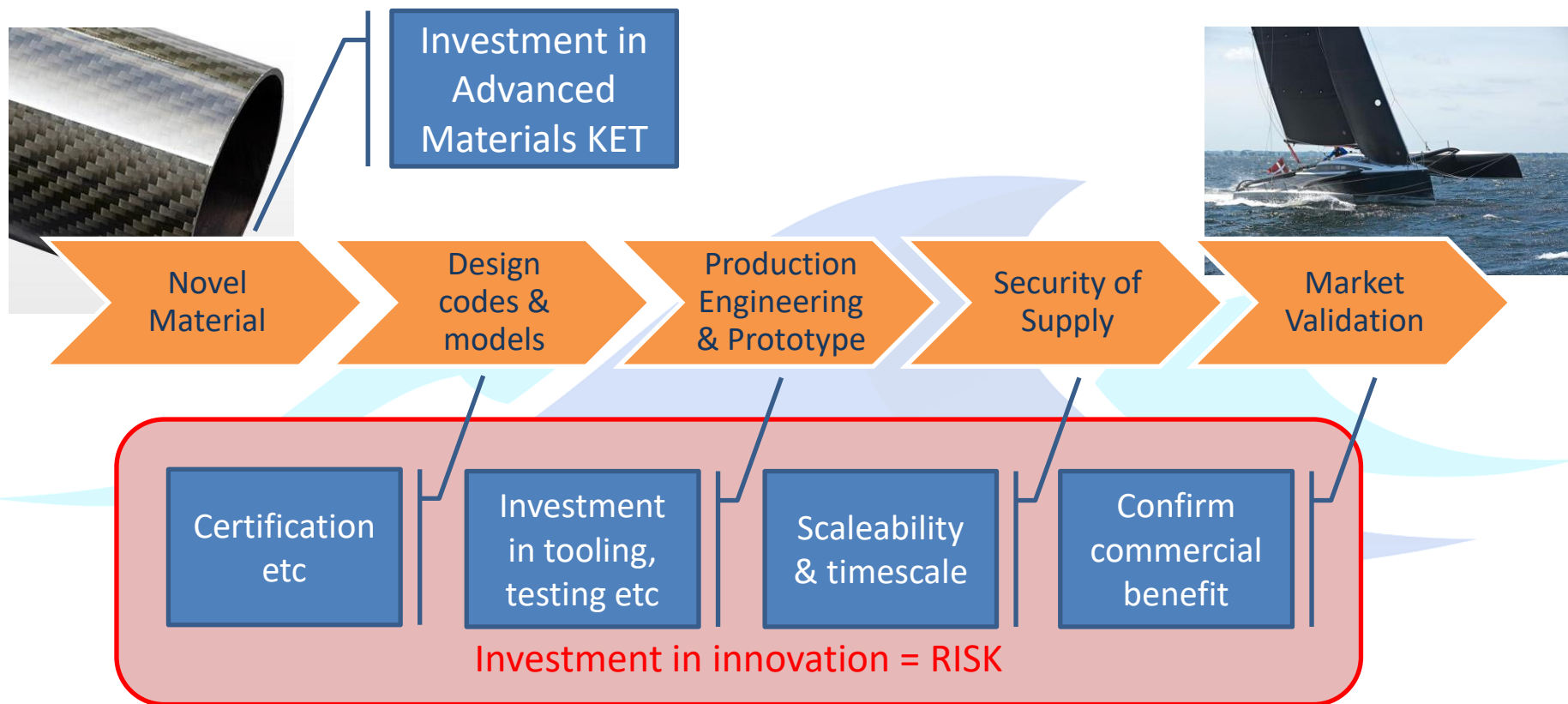
KET Priorities in Blue Growth Sectors

	Micro & nano electronics	Nanotech	Industrial biotech	Advanced materials	Photonics	Advanced manuf. techniques	ICT
Fisheries and aquaculture	✓✓	✓	✓✓✓		✓✓		✓
Blue biotechnology			✓✓✓				
Marine renewable energy	✓✓	✓		✓✓✓	✓✓	✓✓	✓✓
Maritime surveillance	✓✓✓	✓		✓	✓✓		✓✓✓
Ship and boatbuilding	✓	✓		✓✓	✓	✓✓✓	✓✓

Topics of Insufficient (past) RTD Investment

	Micro & nano electronics	Nanotech	Industrial biotech	Advanced materials	Photonics	Advanced manuf. techniques	ICT
Fisheries and aquaculture	✓✓	✓	✓✓✓		✓✓		✓
Blue biotechnology			✓✓✓				
Marine renewable energy	✓✓	✓		✓✓✓	✓✓	✓✓	✓✓
Maritime surveillance	✓✓✓	✓		✓	✓✓		✓✓✓
Ship and boatbuilding	✓	✓		✓✓	✓	✓✓✓	✓✓

Barriers to Commercialisation



Conclusions

- **Wider application of KETs enables growth in many sectors of Blue Economy, notably:**
 - Fisheries & aquaculture
 - Blue biotechnology
 - Marine renewable energy
 - Maritime surveillance
 - Ship and boat building
- **Increased RTD support is needed in four KET application areas:**
 - *Advanced materials* for marine renewable energy
 - *Micro & nano-electronics* and *photonics* for maritime surveillance
 - *Advanced manufacturing techniques* for ship and boat building
- **Exploitation of KETs requires joined-up support for innovation**
 - Codes of practice
 - Prototype development and demonstration
 - Scale-up and business modelling