

# Brest

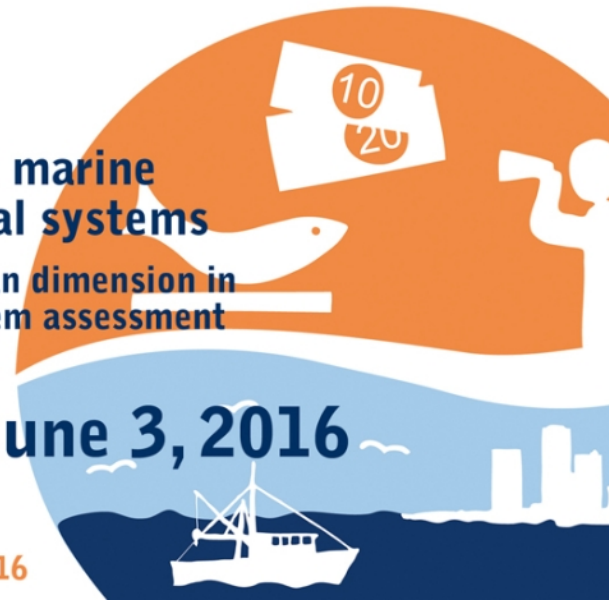
France

Understanding marine  
socio-ecological systems

Including the human dimension in  
integrated ecosystem assessment

May 30 - June 3, 2016

[www.ices.dk/mseas2016](http://www.ices.dk/mseas2016)

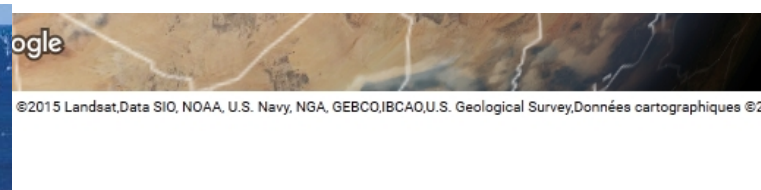


Jason Link (NOAA), David C. Smith (CSIRO), Olivier Thébaud (Ifremer/UBO)





Thank you for coming to Brest !



# Symposium goals

- **Advancing our understanding of marine social-ecological systems**
- **Fostering interdisciplinary discussions and collaborations**
- **Identifying challenges ahead and key areas for future research**
- **Supporting the uptake of human dimensions in integrated assessments**
- **Furthering the development and uptake of Ecosystem-Based Management**



# Are we making progress?

- **Informal polling of gray-hairs:**
  - “We never used to do this kind of interdisciplinary meeting”
  - “I am now reenergized for an old guy”
- **Informal polling of youngsters:**
  - “This is the research space I want to be in”
  - “I’d like to suggest session themes for the next one”
  - “Relatively lots of young people, women for an ICES Conf”
- **No true performance measures of progress, but sense of:**
  - Human dimensions being considered more frequently
  - Recognition that we are implementing solutions
  - Certainly broader discussions happening
- **Ocean uses & resources are managed well in some places**



# Challenges

- ***Supporting the uptake of human dimensions in integrated assessments***
  - We didn't hear too much about Integrated Ecosystem Assessments this week
  - What is the correct degree of integrating across N-dimensions
    - How to retain disciplinary distinctiveness and reap interdisciplinary benefits?
  - Still fisheries and conservation centric
    - How to involve other sectors, and research in those areas?
    - We were a self-selected group
- ***Furthering the development and uptake of Ecosystem-Based Management***
  - We didn't hear too much about instances where EBM was emphasized or being done for multiple uses;
    - exception being multiple use Area management
  - Need to address structural impediments to EBM



# Strengths

- ***Advancing our understanding of marine social-ecological systems***
  - Reductionism useful, but rarely results in (systemic) solutions
  - Inclusion & systems-thinking lead to advances
  - Copious extant tools, indicators and information
- ***Fostering interdisciplinary discussions and collaborations***
  - Getting the disciplines together to simply talk was invaluable
    - Getting past disciplinary jargon
  - Good use of multiple models
  - Increasing # of case studies that incorporate human dimensions
  - Attitude of just do it!



# Future Topics to Explore

- **Identifying challenges ahead and key areas for future research**
  - **Sorting out governance**
    - esp. wrt cumulative effects and cross-jurisdictional uses
  - **Sorting degree and dimensionality of integration**
    - **Broader inclusion of multiple uses (beyond fisheries)**
  - **Clarify value and rewards for interdisciplinary work**
  - **Operationalizing research advances into appropriate management venues**
    - **Emphasis on solutions and actions**
  - **Adapting to new and emerging drivers, esp. wrt GCC**
  - **Better/continued engagement with managers**



# Next Steps

- **Repeat Symposium in ~3-4 yrs**
- **Develop MSEAS network**
- **Develop topic sessions in many other, typical meetings**
- **Submit to ICES JMS special issue**





# Thank you



**Annie Cudennec**  
Annie Cudennec



**Luc Doyen**  
Luc Doyen



**Jörn Schmidt**



**Romain Lopez**  
Romain Lopez



**Jan Jaap Poos**  
Jan Jaap Poos



**Yves-Marie Paulet**  
Yves-Marie Paulet



**Pascal Le Floc'h**  
Pascal Le Floc'h



**Sophie Monge**  
Sophie Monge



**Séverine Julien**  
Séverine Julien



**Olivier Thébaud**  
Olivier Thébaud



**Denis Bailly**  
Denis Bailly



**Lise Cronne**



**Adi Kellermann**



**Maria Lifentseva**



**Terhi Minkkinen**



**Mike Drew**