FISHADAPT

A GLOBAL CONFERENCE ON CLIMATE CHANGE ADAPTATION FOR FISHERIES AND AQUACULTURE

8-10 AUGUST 2016
CENTARA GRAND LADPRAO, BANGKOK, THAILAND

PROGRAMME GUIDE
We would like to thank the following sponsors:

- Food and Agriculture Organization of the United Nations
- Norad
- Department of Fisheries
- National Oceanic and Atmospheric Administration
- NOAA Fisheries
- Rare
- IAEA Ocean Acidification International Coordination Centre (OA-ICC)
- International Ocean Institute, Thailand Operational Centre
- Japan
## Programme schedule

**Sunday August 7, 2016**

15.00 – 18.00  
Registration

**Monday August 8, 2016**

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<tr>
<td>8.00 – 9.00</td>
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<tr>
<td>9.00 – 9.45</td>
<td>Opening ceremony</td>
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<tr>
<td>9.00 – 9.45</td>
<td>Welcome address by Dr Chonkolnee Chamchang,</td>
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<td>9.00 – 9.45</td>
<td>International Fisheries Affairs, Thailand</td>
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<td>9.00 – 9.45</td>
<td>Department of Fisheries</td>
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<td>9.00 – 9.45</td>
<td>Welcome address by Dr Cherdaksir Virapat,</td>
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<td>9.00 – 9.45</td>
<td>Director General, NACA</td>
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<td>9.00 – 9.45</td>
<td>Welcome address by Assistant Director</td>
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<td>9.00 – 9.45</td>
<td>General, FAO</td>
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<td>9.45 – 10.15</td>
<td>Group photo and coffee break</td>
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<tr>
<td>10.15 – 11.45</td>
<td>Invited speakers</td>
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<td>10.15 – 11.45</td>
<td>Scaling up adaptation action from the local</td>
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<td>10.15 – 11.45</td>
<td>to the national, regional and global</td>
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<td>10.15 – 11.45</td>
<td>level through national adaptation plans</td>
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<td>10.15 – 11.45</td>
<td>Paul Desanker</td>
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<td>10.15 – 11.45</td>
<td>Impacts of ocean acidification on United</td>
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<td>10.15 – 11.45</td>
<td>States west coast shellfish aquaculture</td>
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<td>10.15 – 11.45</td>
<td>Bill Dewey</td>
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<tr>
<td>11.45 – 12.45</td>
<td>Presentations Theme 1: Vulnerability</td>
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<tr>
<td>11.45 – 12.45</td>
<td>assessments</td>
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<tr>
<td>11.45 – 12.45</td>
<td>Vulnerability assessments in fisheries</td>
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<td>11.45 – 12.45</td>
<td>social-ecological systems: Some experiences</td>
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<td>11.45 – 12.45</td>
<td>in their development and implementation for</td>
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<td>11.45 – 12.45</td>
<td>adaptation planning</td>
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<td>11.45 – 12.45</td>
<td>Cassandra De Young</td>
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<td>11.45 – 12.45</td>
<td>The impact of methodological choices on</td>
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<td>11.45 – 12.45</td>
<td>the outcome of national-level climate</td>
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<td>11.45 – 12.45</td>
<td>change vulnerability assessments: an example</td>
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<td>11.45 – 12.45</td>
<td>from the global fisheries sector</td>
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<td>11.45 – 12.45</td>
<td>Iris Monnereau</td>
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<td>11.45 – 12.45</td>
<td>Potential vulnerability of artisanal</td>
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<td>11.45 – 12.45</td>
<td>fisheries to ocean acidification in the</td>
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<td>11.45 – 12.45</td>
<td>Western Indian Ocean</td>
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<td>11.45 – 12.45</td>
<td>Kennedy Osuka</td>
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<td>11.45 – 12.45</td>
<td>Mapping climate change vulnerability in</td>
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<td>11.45 – 12.45</td>
<td>fisheries sector of Bangladesh using</td>
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<td>composite index approach and GIS</td>
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<td>11.45 – 12.45</td>
<td>Md. Monirul Islam</td>
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<td>13.45 – 14.45</td>
<td>The gender dimension in climate change</td>
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<td>13.45 – 14.45</td>
<td>adaptation: Gleanings from 20 years of</td>
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<td>13.45 – 14.45</td>
<td>gender in aquaculture and fisheries</td>
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<td>13.45 – 14.45</td>
<td>symposia</td>
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<td>13.45 – 14.45</td>
<td>Meryl Williams</td>
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<td>13.45 – 14.45</td>
<td>Impacts on and adaptations to climate</td>
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<td>change in the fisheries communities of the</td>
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<td>13.45 – 14.45</td>
<td>Lake Chad Basin</td>
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<td>13.45 – 14.45</td>
<td>Solomon Ovie</td>
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<td>14.45 – 16.00</td>
<td>Presentations Theme 1 (cont’d): Vulnerable</td>
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<td>14.45 – 16.00</td>
<td>assessments</td>
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<td>14.45 – 16.00</td>
<td>Livelihood Vulnerabilities of Fishing</td>
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<td>14.45 – 16.00</td>
<td>Households in the Volta Basin, Ghana</td>
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<td>14.45 – 16.00</td>
<td>John Kuwornu</td>
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<td>14.45 – 16.00</td>
<td>Are climate change impacts the cause of</td>
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<td>14.45 – 16.00</td>
<td>reduced fisheries production on the</td>
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<td>14.45 – 16.00</td>
<td>African Great Lakes? The Lake Tanganyika</td>
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<td>14.45 – 16.00</td>
<td>case study</td>
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<td>14.45 – 16.00</td>
<td>Martin Van der Knaap</td>
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</table>
• Teasing out the impacts of climate change on fisheries in the Lower Mekong Basin
  
  Ian Cowx

• Potential effects of climate change in reservoir fisheries: A gender analysis

  Arpita Shama

16.00 – 16.30  
Coffee break

16.30 – 18.00  
Presentations Theme 1 (cont’d): Vulnerability assessments

• Socio-economic impacts of sargassum on the fishery sector of Barbados
  
  Neema Ramlogan

• Climate change implications for Torres Strait island fisheries: Assessing vulnerability to inform adaptation
  
  David J. Welch

• Climate change impacts on livelihood vulnerability assessment-adaptation and mitigation options in marine hot spots in Kerala, India
  
  Shyam Salim

• Climate change and vulnerability of fishing communities
  
  Sibananda Senapati

• Climate change perception in a fishers’ community from southern Brazil: traditional ecological knowledge and meteorological time-series data
  
  Marcio Cure

18.00  
Closure of the Day

18.30 – 21.00  
Welcome dinner

**Tuesday August 9, 2016**

8.45 – 9.00  
Reconvene

9.00 – 10.00  
Invited speakers

• Effects of climate change on the world’s oceans: footprints to adaptation in fisheries food production and security
  
  Maria Gasalla

• Adapting to climate change: Solutions for healthy coastal ecosystems and communities
  
  Vera Agostini

10.00 – 10.30  
Coffee break

10.30 – 12.00  
Presentations Theme 2: Adaptation

• Adapting to climate change in fisheries management in Micronesia
  
  Michael Guilbeaux

• Promoting behavioural change for territorial user rights for fisheries implementation as climate change adaptation strategy
  
  Endang Hidayat

• Building fish community resilience to climate change through a social marketing drive
  
  Susan Cataylo

• Conservation organizations need to consider adaptive capacity: Why local input matters
  
  Brian Szuster

• Adaptation strategies to climate change in marine systems
  
  William Cheung
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<td>Lunch</td>
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<tr>
<td>13.00 – 14.00</td>
<td>Invited speakers</td>
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</table>
|              | Key factors governing the potential for adaptation of artisanal fisheries to climate change in the La Plata River basin  
|              | Claudio Baigun                             |
|              | Adaptation strategies of the aquaculture sector to the impacts of climate change  
|              | Doris Soto                                 |
| 14.00 – 15.30| Presentations Theme 2 (cont’d): Adaptation |
|              | Genetics programs that can help rural aquaculture communities cope with climate change  
|              | Roger Doyle                                |
|              | Kole fish culture: an alternate option for climate change adaptation to support livelihood of fishers in drought prone northwest Bangladesh  
|              | Md. Amimul Ehsan                          |
|              | Climate change adaptation efforts in coastal shrimp aquaculture: case from northwestern Sri Lanka  
|              | Eranga Galappaththi                       |
|              | Aquatic farming systems will require a range of diverse adaptations to combat and mitigate climate change impacts: case studies from Asia  
|              | Sena De Silva                              |
|              | Experiences in building climate change resilience in fisheries and aquaculture sector through international and domestic funding mechanism in India  
|              | K. Palanisamy                              |
| 15.30 – 16.00| Coffee break                               |
| 16.00 – 17.30| Presentations Theme 2 (cont’d): Adaptation |
|              | Development of sustainable rice-shrimp farming in coastal communities in the Mekong River Delta, Vietnam  
|              | Chinh Ngo                                  |
|              | Integrated shrimp aquaculture for climate change adaptation  
|              | Munir Ahmed                                |
|              | Aquaculture insurance as an adaptation strategy: Experiences from China and Vietnam  
|              | Tipparat Pongthanapanich                   |
|              | Adaptation strategies for climate change impacts of major aquaculture systems in the Philippines  
|              | Rafael Guerrero                            |
|              | Local environmental monitoring systems to strengthen fisheries and aquaculture resilience to climate change  
<p>|              | Doris Soto                                 |
| 17.30        | Closure of the Day                         |</p>
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<td>Pacific Small Island Developing States: Climate change vulnerability and</td>
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<td>adaptation of fisheries and aquaculture</td>
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<td><em>Johanna Johnson</em></td>
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<td>Considering climate and disasters in Caribbean fisheries and aquaculture</td>
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<td><em>Patrick McConney</em></td>
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<td>10.00 – 11.20</td>
<td>Presentations Theme 2 (cont’d): Adaptation</td>
<td>Capacity development of stakeholders to integrate fisheries and aquaculture</td>
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<td>in emergency response and preparedness</td>
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<td><em>Gopal Krishna</em></td>
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<td>Embracing the value chain framework for post-disaster livelihood</td>
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<td>interventions: The milkfish industry in a Haiyan-affected area in Leyte,</td>
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<td>Philippines</td>
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<td><em>Marieta Sumagaysay</em></td>
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<td>Co-managing disaster risk: Spending, legislation, and the non-government</td>
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<td>organizations in agricultural and fishing communities in central</td>
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<td><em>Rhea Subong</em></td>
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<td>Adaptation of fishermen in the Philippines to climate change</td>
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<td><em>Maria Rebecca Campos</em></td>
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<td>Climate change and variability adaptation effort in fishing and</td>
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<td>aquaculture in the Central American Integration System</td>
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<td><em>Jorge López</em></td>
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<td>11.20 – 11.40</td>
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<tr>
<td>11.40 – 12.40</td>
<td>Presentations Theme 2 (cont’d): Adaptation</td>
<td>Lake Chapala’s fisheries: Coping and adapting to water level fluctuations</td>
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<td><em>Carmen Pedroza-Gutierrez</em></td>
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<td>Local skill and indigenous knowledge in building socio-ecological</td>
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<td>resilience to climate change with particular reference to aquatic</td>
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<td>resource utilization in north eastern India</td>
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<td><em>Shaikhom Singh</em></td>
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<td>Empowering climate change adaptation-driven innovation in Brazilian</td>
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<td>fishing communities through science-based support</td>
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<td><em>Maria Gasalla</em></td>
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<td>Climate change initiatives for fishing communities in Indian Sundarbans</td>
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<td><em>Amitava Ghosh</em></td>
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<td>13.40 – 14.40</td>
<td>Invited speakers</td>
<td>Does climate change need behaviour change? A behavioural approach to</td>
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<td>communication and building community resilience</td>
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<td><em>Gerald Miles</em></td>
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<td>Communicating ocean acidification where it impacts the most, and where</td>
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<td>communication is hardest</td>
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<td><em>Julia Sanders</em></td>
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<td>Brief introductions to special sessions</td>
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<td><em>Special Session Chairs</em></td>
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<td>14.40 – 15.00</td>
<td>Coffee break</td>
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<tr>
<td>15.00 – 17.00</td>
<td><strong>Special sessions (parallel, please see detailed schedule on following page)</strong></td>
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<td>- Climate change in small-scale fisheries: Vulnerability, adaptive capacity and responses</td>
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<td>- Integrating gender considerations into climate change and disaster risk reduction strategies for fishing communities</td>
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<td>- Charting a course after Paris: Leveraging NDCs for action to address climate challenges for fisheries and aquaculture in the Asia-Pacific region</td>
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<td>- Mangrove-based fisheries and aquaculture in support of climate change adaptation</td>
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<td>- Preparing for climate change in European fisheries and aquaculture: lessons learned and transferability to the global context</td>
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<td>17.00 – 17.50</td>
<td><strong>Feedback from the special sessions</strong></td>
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<td>17.50 – 18.30</td>
<td><strong>Wrap up presentation and closure of the conference by FAO Representative</strong></td>
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## Parallel session schedule

### Wednesday August 10

### Climate change in small-scale fisheries: Vulnerability, adaptive capacity and responses

| 15.00 – 17.00 | Climate change in small-scale fisheries: Vulnerability, adaptive capacity and responses  
Ratana Chuenpagdee |
| --- | --- |
|  | Adaptive capacity in small-scale fisheries: Role of resilience and fisher knowledge  
Fikret Berkes |
|  | Bringing gender dimension into the debate about ocean and climate change  
Katia Frangoudes |
|  | I-ADApT: A tool for coastal communities to respond to global environmental and food security challenges in Africa  
Moenieba Isaacs |
|  | Vulnerability of coastal fishers to disasters in Bangladesh  
Mahmud Islam |
|  | Can FAO Small-scale Fisheries Guidelines (2015) promote better community-based adaptation to rapid environmental change?  
Prateep Kumar Nayak |

### Integrating gender considerations into climate change and disaster risk reduction strategies for fishing communities

| 15.00 - 17.00 | Key note address: How do we get gender into the agenda? Lessons from other sectors  
Kalpana Giri |
| --- | --- |
|  | Panel discussion  
Nisha Onta  
Arpita Sharma  
Carmen Pedroza  
Susana Siar |
|  | Q&A |
|  | Key messages and concluding remarks  
Marieta Sumagaysay |

### Charting a course after Paris: Leveraging NDCs for action to address climate challenges for fisheries and aquaculture in the Asia-Pacific region

| 15.00 – 17.00 | Briefing on the INDC and NAP - processes and contents  
Beau Damen |
| --- | --- |
|  | Fisheries and Aquaculture sectors and national climate change planning in the region  
David Brown and Cassandra De Young |
|  | Climate Change in ASEAN  
To be confirmed |
|  | Facilitated discussion on next steps to support national climate change planning processes |
### Mangrove-based fisheries and aquaculture in support of climate change adaptation

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<tr>
<td>15.00 - 17.00</td>
<td>The concept of mixed fish-mangrove forest farming system for poverty alleviation and mangrove restoration: An experience from Sunderbans</td>
<td>Madhumita Mukherjee</td>
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<td>Vulnerability of Munroe Island, Kerala, India to sea level rise: Current concerns and thoughts for the sustainable future.</td>
<td>K. N. Balagopal</td>
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<td>Mangroves – climate change –industry perspectives</td>
<td>Roy D. Palmer</td>
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<td>Exploring the impacts of future global change on mangrove-fishery-community linkages</td>
<td>R. Seary</td>
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<td>Species diversification in the mangrove based ecosystem of Kannur District of Kerala, India</td>
<td>M.T. Geeji</td>
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<td>Mangrove conservation: A source of sustainability and sustenance in Australia</td>
<td>Roy D. Palmer</td>
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<td>On mangroves and mangrove associates of the Phthuvypin of Ernakulam District, Kerala (South India)</td>
<td>Renjith Rengaraju</td>
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<td>Restoration and propagation are the challenges for mahseer and other cold water fish in the tarai region of West Bengal, India</td>
<td>Madhumita Mukherjee</td>
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### Preparing for climate change in European fisheries and aquaculture: Lessons learned and transferability to the global context

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<tr>
<td>15.00 – 17.00</td>
<td>Preparing for sustainable fish production in Europe under climate change</td>
<td>M. Aschan</td>
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<td>CERES – Climate Change and European aquatic RESources</td>
<td>Ian Cowx, Myron Peck, Mike Elliott</td>
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<td>Decision support for seafood production under climate change</td>
<td>P. Olsen</td>
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<td>Discussion Session: Preparing support for good decisions when adapting to Climate Change. Exchange of experience and identification of future needs</td>
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Scientific Committee

- Vera Agostini - The Nature Conservancy.
- Tarub Bahri – FAO.
- David Brown – FAO.
- Tony Charles - Saint Mary's University.
- Victoria Chomo – FAO.
- Beau Damen – FAO.
- Cassandra De Young – FAO.
- Nicole Franz – FAO.
- Maria Gasalla - University of Sao Paulo, Brazil.
- Roger Griffis - NOAA Fisheries Service.
- Johanna Johnson C20 Consulting/James Cook University.
- Daniela Coswig Kalikoski – FAO.
- Gerd Marmulla – FAO.
- Marc Metian - IAEA-Environment Laboratories.
- Greta Pecl - Institute for Marine and Antarctic Studies.
- Florence Poulain – FAO.
- Susana Siar – FAO.
- Doris Soto – FAO.
- Robert Stefanski-WMO.
- Cherdsak Virapat - Network of Aquaculture Centres in Asia-Pacific.
- Meryl Williams (Co-Chair, Organizing Committee, 6th Global Symposium on Gender in Aquaculture and Fisheries).

Collaborating partners

- Agricultural Meteorology Programme at the World Meteorological Organization.
- Bedford Institute of Oceanography, Fisheries and Oceans Canada.
- Central America Fisheries and Aquaculture Organization.
- Convention on Biological Diversity.
- European Bureau for Conservation and Development.
- Fisheries & Aquaculture Centre, University of Tasmania.
- Global Partnership for Climate, Fisheries and Aquaculture.
- International Atomic Energy Agency Environmental Laboratories.
- International Fund for Agricultural Development.
- Network of Aquaculture Centres in Asia-Pacific.
- NOAA Fisheries.
- Plymouth Marine Laboratory.
- RARE.
- Rhodes University and the GULLS project.
- Saint Mary's University.
- Secretary of Pacific Community.
- The Nature Conservancy.
- University of São Paulo, Brasil.
- University of Seattle, Washington.
- United Nations Development Programme.
- UN Food and Agriculture Organization.
Contacts

Conference
Centara Grand Ladprao Hotel 02 541 1234

Hotel reservations
http://www.agoda.com
http://www.booking.com
http://www.hotels.com
http://www.tripadvisor.com

Transportation
Taxi Call Centre 1681
1661
1668

Suvarnabhumi Airport 02 132 1888

http://www.suvarnabhumiairport.com

International hospitals
Bumrungrad International Hospital 02 667 1000
Bangkok Hospital 02 310 3000
Samitivej Hospital 02 022 2222
BNH Hospital 02 686 2700

Police
General emergency call 191
Ambulance and rescue 1554
Tourist assistance 1337 ext 9