## ECORD Summer School 2017 - Current-Controlled Sea Floor Archives: Coral Mounds and Contourites

<table>
<thead>
<tr>
<th>Monday 21st Aug</th>
<th>Tuesday 22nd Aug</th>
<th>Wednesday 23rd Aug</th>
<th>Thursday 24th Aug</th>
<th>Friday 25th Aug</th>
<th>Sunday</th>
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</thead>
</table>
| 9:00 - 9:15    | Welcome & Info & Introduction  
Dierk Hebbeln, David van Rooij  
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9:30 | Revision of previous day's material by the participants | Revision of previous day's material by the participants | Revision of previous day's material by the participants | Revision of previous day's material by the participants |        |
| 09:15 - 10:45  | Introductory lectures  
The geobiology of cold-water corals  
Andre Freiwald | Introductory lectures  
The impact of internal waves on sedimentary systems  
Luis Ponser | Introductory lectures  
Processes of contourite formation  
Javier Hernandez Molina | Case Study  
IODP Leg 338: Contourites in the Gulf of Cadiz  
Javier Hernandez Molina | The contourite record  
Economic significance of contourites  
Dorrik Stow |
| 10:45 - 11:00  | coffee break | Group photo & coffee break | coffee break | coffee break |          |
| 11:00 - 12:30  | Introductory lectures  
Contourites an overview  
Michele Rebasco | Introductory lectures  
The interaction between hydrodynamics and seafloor topography  
Furu Mienis | Mapping  
Seismic imaging of contourites & coral mounds  
David van Rooij | The mound record  
The cold-water coral archive  
Jacek Radialtz | The contourite record  
Reading fossil contourite records  
Heiko Hünemann |
| 12:30 - 13:30  | LUNCH | LUNCH | LUNCH | LUNCH | LUNCH |
| 13:30 - 15:00  | IODP & ECORD:  
Structure & objectives and intro to "Virtual Ship"  
Ursula Röhl, Rudy Stein | Virtual Ship  
Lab turn #1, #2 and #3 in three rotating groups | Virtual Ship  
Lab turn #1, #2 and #3 in three rotating groups | Virtual Ship  
Lab turn #1, #2 and #3 in three rotating groups | Fossil contourite practical  
Heiko Hünemann |
| 15:00 - 15:15  | tea break | tea break | tea break | tea break | tea break |
| 15:15 - 18:00  | IODP core curation  
Holger Kuhlmann | Intro - Lab turn #1:  
Core description  
Rüdiger Stein | Virtual Ship  
Lab turn #1, #2 and #3 in three rotating groups | IODP proposal writing  
Ursula Röhl, Rüdiger Stein    |        |
| 15:15 - 18:00  | Guided tour through MARUM & IODP Bremen Core Repository  
Dierk Hebbeln, Holger Kuhlmann | Intro - Lab turn #2:  
Core splicing  
Anna Joy Drury | Virtual Ship  
Lab turn #1, #2 and #3 in three rotating groups |        |        |
| 18:00 - ....    | Icebreaker |        |        |        |        |

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<tr>
<th>Monday 28th Aug</th>
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<th>Wednesday 30th Aug</th>
<th>Thursday 31st Aug</th>
<th>Friday 1st Sep</th>
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| 09:15 - 10:45  | Case Study  
IODP Leg 307: Coral Mounds off Ireland  
Tim Ferdeman | The mound record  
The long-term coral mound development  
Dierk Hebbeln | Virtual Ship  
Group activity  
Downhole logging  
Johanna Lofi | The contourite record  
Reading the contourite paleoceanographic signal  
Nick McCave |
| 10:45 - 11:00  | coffee break | coffee break | coffee break | coffee break |
| 11:00 - 12:30  | Mapping  
Mapping coral mounds by MBES and ROV  
Gregor Eberli, Claudia Wienberg | The mound record  
Coral mounds as carbonate factories  
Jürgen Tischack | Virtual Ship  
Group activity  
Downhole logging (cont.)  
Johanna Lofi | Strong currents make good neighbours: contourites and coral mounds  
Round-up Discussion  
Dierk Hebbeln et al. |
| 12:30 - 13:30  | LUNCH | LUNCH | LUNCH | LUNCH |
| 13:30 - 15:00  | presentations  
by participants | presentations  
by participants | presentations  
by participants | Presenting the public:  
journalistic basics  
Ulrike Prange |
| 15:00 - 15:15  | tea break | tea break | tea break | Live event with JOIDES Resolution, IODP Leg 371 |
| 15:15 - 18:00  | Intro - Lab turn #4:  
Physical properties & core scanning  
Daniel Hepp, Holger Kuhlmann, Patricia Geprägs | Virtual Ship  
Lab turn #4, #5, and #6 in three rotating groups | Virtual Ship  
Lab turn #4, #5, and #6 in three rotating groups | Virtual Ship  
Lab turn #4, #5, and #6 in three rotating groups |
| 18:00 - ....    | Farewell Dinner |        |        |        |

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last update: 01.08.2017