

**EGU General Assembly 2011
Programme Group Programme
US – Union Symposia**

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Monday, 04 April

US1 – A Planet Under Pressure – Orals

Convener: Denis-Didier Rousseau

Room: D

Chairperson: Denis-Didier Rousseau

13:30–13:35 **Introduction to "A Planet Under Pressure" and the speakers**

13:35–14:00 EGU2011-14219

James C. Zachos

The Dynamics of Rapid Greenhouse Warming: Insights from the Paleocene-Eocene Thermal Maximum

14:00–14:25 EGU2011-14220

Eric Rignot

Melting of the Great Ice Sheets in Greenland and Antarctica

14:25–14:40 EGU2011-14221

Michael Ghil

The Future Is Warm but Uncertain

14:40–15:00 **A Planet Under Pressure: Roundtable, Discussion, and Audience General Comments**

Tuesday, 05 April

ML1 – Alfred Wegener Medal Lecture by Gerold Wefer (co-listed) – Orals

Convener: Tuija Pulkkinen

Room: D

Chairperson: Tuija Pulkkinen

12:15–13:15 EGU2011-3107

Gerold Wefer, Stefan Mulitza, and Michael Schulz

Understanding the drivers of environmental changes in West Africa from sedimentary deep-sea records
(Alfred Wegener Medal Lecture)

US2 – The Future of Water Cycle Earth Observing Systems – Orals

Convener: Bob Su | Co-Conveners: Peter van Oevelen, Eric Wood, Valentijn Pauwels

Room: D

Chairperson: Z. Su, E. Wood, V. Pauwels, P. van Oevelen

13:30–13:35 **Opening Session Remarks and Introduction to Speaker Patrick Reed (Penn State) and Matthew Ferringer (Aerospace Corporation) by Eric Wood (Princeton University)**

13:35–14:00 EGU2011-2170

Patrick Reed and Matthew Ferringer

Petascale Design and Management of Earth Science Satellite Constellations: Bridging Earth Science and Astrodynamics

14:00–14:05 **Introduction to Speaker Nico Sneeuw (Universitaet Stuttgart) by Bob Su (University of Twente)**

14:05–14:30 EGU2011-3344

Nico Sneeuw

Spaceborne gravimetry: a novel tool for continental-scale storage change monitoring

14:30–14:35 **Introduction to Speaker Paul Houser (George Mason University) by Valentijn Pauwels (University of Ghent)**

14:35–15:00 EGU2011-12346

Paul Houser

A vision for an ultra-high resolution integrated water cycle observation and prediction system

15:00–15:10 **Panel (one-minute each) and then Audience Comments to the Question "The ideal Water Cycle Earth Observing System? " [Panel Chair: Peter van Oevelen, GEWEX]**

Wednesday, 06 April

ML3 – Jean Dominique Cassini Medal Lecture by Jean-Pierre Lebreton (co-listed) – Orals

Convener: Tuija Pulkkinen

Room: D

Chairperson: Tuija Pulkkinen

12:15–13:15 EGU2011-14191

Jean-Pierre Lebreton

Highlights of ESA's Planetary Sciences Programme Achievements and a Glimpse into the Future (Jean Dominique Cassini Medal Lecture)

US0 – EGU Award Ceremony – Orals

Conveners: Tuija Pulkkinen, Donald B. Dingwell

Room: D

Chairperson: Tuija Pulkkinen

17:30–17:40 **Opening of the EGU 2011 Awards Ceremony and welcome by the EGU President and Vice-President**

17:40–17:45 **The EGU 2011 Division Outstanding Young Scientist Awardees: Group Appearance and Name Reading**

17:45–17:55 **The EGU 2011 Division Medallists: Group Appearance and Name Reading**

17:55–18:05 **The EGU 2011 Union Service Awards: Citation, Presentation, Reply**

18:05–18:35 **The EGU 2011 Arne Richter Awards for Outstanding Young Scientists: Citation, Presentation, Reply**

18:35–19:15 **The EGU 2011 Union Medals: Citation, Presentation, Reply**

19:15–20:00 **Closure of the Ceremony and refreshments**

Thursday, 07 April

ML2 – Arthur Holmes Medal Lecture by William A. Dietrich (co-listed) – Orals

Convener: Tuija Pulkkinen

Room: D

Chairperson: Tuija Pulkkinen

12:15–13:15 EGU2011-14169

William E. Dietrich

Three grand challenges in geomorphology: rock, climate, and life (Arthur Holmes Medal Lecture)

US3 – How Science Can Aid Society in Tackling Emerging Risks – Orals

Conveners: Margareta Wahlström, Rashmin Gunasekera, Helen Crowley

Room: D

Chairperson: Margareta Wahlström

13:30–13:40 **Introduction of topic and presenters by Margareta Wahlström**

13:40–14:00 EGU2011-14216

Stuart Lane

Emergent risk, risk perception and rethinking the definition of risk rationality

14:00–14:20 EGU2011-14217

Robert Muir-Wood

The Modeling Challenges of Emerging Risks

14:20–14:40 EGU2011-14218

Trevor Maynard

Emerging Risks management at Lloyd's - an end user perspective

14:40–14:55 **Panel discussion chaired by Tricia Holly-Davis**

14:55–15:10 **Open floor Q and A**

