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Environmental reality: Rethinking the options

The 2016 Royal Colloquium is planned to be the final activity in the Colloquium series and will provide an opportunity to draw on the experiences and results from earlier events as well as providing a message for future research and action.

Previous colloquia covered a broad number of subjects including water, energy, agriculture, and climate, with geographical foci ranging from coastal areas to mountains and from tropical regions to the Arctic. With this wide range of examples in mind, it is possible to explore the trends and critical factors which are forming history as well as providing challenges and opportunities for the future.

How to get from knowledge to action has been a recurring theme in all earlier colloquia. Complexity, resilience and vulnerability are systems concepts which have been put forward in the analysis. However, it was also emphasized that action and implementation are critically dependent on institutions and ultimately on values and trust in society. Thus, the program of the Royal Colloquium 2016 will revisit some of the recurring themes of previous colloquia with cross-cutting general aspects in mind, focusing not only on problem descriptions but also on opportunities and possible solutions.

Programme

Sunday May 22

Venue: Rosersberg's Palace Hotel
Arrival of participants
Informal evening get together

Monday May 23

10:00 Welcome to the 12th Royal Colloquium by
His Majesty King Carl XVI Gustaf of Sweden.
Presentation of participants
Introduction and Background: **Anders Karlqvist**

12:00 Lunch
Sessions will be based on short presentations (no power point) each of ca 20 minutes duration as a starting point and inspiration for the following discussion.

Session I

13:00 **The Environment – Successes and Failures**
Socio-environmental systems - The long-term perspective: **Sander van der Leeuw**
History of pollution: **John Gunn**
Management of threatened marine ecosystems. What have we learnt?: **Olof Lindén**
Questions and discussion
Tour of the Castle and its history

19:00 Dinner

Tuesday May 24

Session II

09:00 **Complexity, Risks and Extreme Events**
Managing Arctic change: **Terry Chapin**
Global crises - Dealing with complexity in socio-ecological systems: **Carl Folke**
Environmental harm - Decisions versus knowledge: **Nassim Taleb**
Questions and discussion

12:00 Lunch

Session III

13:00 **Technology and Innovation**

Technology as a driver for environmental change: **Mathias Uhlén**
Forestry a key to sustainable development: **Carina Håkansson**
Innovation research in an environmental context: **Åke Iverfeldt**
Questions and discussion

Session IV

Major Trends

Decarbonising humanity - The quintessential challenge in a globalized and fragmented world: **Chris Rapley**
Culture and nature - A cross-disciplinary collaboration: **Cecilia Åsberg**
Building peace or sliding towards war? Reflections on the unthinkable: **Wilhelm Agrell**
Questions and discussion

19:00 Dinner

ca. 20:30 Art and Chemistry. Talk given by **Ulf Ellervik**

Wednesday May 25

Session V

09:00 **From Knowledge to Action**
Evidence as criteria for environmental practice: **Andrew Pullin**
Environmental Protection – From policy to public participation: **Terney Pradeep Kumara**
Knowing more – doing less, the example of global warming: **Per Espen Stoknes**
Questions and discussion

12:00 Lunch

Session VI

13:00 **Legacy of the Royal Colloquium**
Systems science – A key to understanding, predicting and managing global change: **Pavel Kabat**
Large-scale transitions – Integrated theories and visions for global research: **Karen O'Brien**
Capacity development, tools and platforms for future research: **Johan Kuylenstierna**
Questions and discussion

15:00 **Colloquium closes**

16:30 **Boat to Stockholm**

19:00 **The Royal Palace - Dinner given by His Majesty**