

Harnessing Emerging Technologies for Environmental Science: A 2020 Vision

16 May 2012 Royal Geographical Society

Draft programme V5

| Time | Topics | Duration | Suggested speakers | |
|--|---|---|--|---|
| 9.00 | Registration | 30 | | |
| 9.30 | Welcome on behalf of all societies & EVOp | 10 | Conference Chair | |
| 09.40 | Key note speech | The need for greater integration: challenges and opportunities for the environmental/IT communities | 20 | Awaiting confirmation |
| SESSION 1: GRAND CHALLENGES - science, policy and industry | | | | |
| 10.00 | Introduction to Session 1 | 5 | Conference Chair – Session 1, Bill Sutherland, BES | |
| 10.05 | Presentation 1 | Water security challenges | 20 | Mark Fletcher, ARUP |
| 10.25 | Presentation 2 | Activities and challenges in the soils and hydrological communities | 20 | Prof. Robert Gurney, University of Reading & EVOp Co-Leader |
| 10.45 | Break | | 30 | |
| 11.15 | Presentation 3 | Activities and challenges of the insurance industry | 20 | Rowan Douglas, Willis Group Holdings |
| 11.35 | Presentation 4 | Activities and challenges in the climate and weather community | 20 | Phil Evans, Met Office |
| 11.55 | Presentation 5 | Government priorities and needs and ambitions | 20 | Dr Ray Boguslawski, DEFRA |
| 12.15 | Presentation 6 | Needs and activities in the ecological community | 20 | Prof. Tim Coulson, Imperial College London. |
| 12.35 | Close Session | | 5 | Conference Chair – Session 1, Bill Sutherland, BES |
| 12.40 | Lunch | | 60 | Buffet, Poster displays & demonstrations |
| SESSION 2: NEW TECHNOLOGIES - opportunities and barriers for integrated science | | | | |
| 13 .45 | Introduction to Session 2 | 5 | Conference Chair – Session 2, Bob Sargent, BHS | |
| 13.50 | Presentation 7 | Integrating data and workflows | 20 | Prof. Carole Goble, Manchester University |
| 14.10 | Presentation 8 | IT Industry | 20 | Awaiting confirmation |
| 14.30 | Presentation 9 | Security issues of the cloud | 20 | Mohan Koo, CEO and co-founder, Dtex |

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| 14.50 | Presentation 10 | Horizon scanning for emerging technologies – the impact on science, policy and society. | 20 | Prof. Bill Sutherland, University of Cambridge |
| 14.55 | Close Session | | 5 | Conference Chair – Session 2, Bob Sargent, BHS |
| 15.15 | Break | | 30 | |

SESSION 3: INTERNATIONAL INITIATIVES - progress on wider stage

| | | | | |
|--------------|---------------------------|---|----|--|
| 15.45 | Introduction to Session 3 | | 5 | Conference Chair – Session 3 |
| 15.50 | Presentation 11 | Activities in Europe | 20 | Prof. Max Craglia, Director of the European Environment Agency |
| 16.10 | Presentation 12 | Activities in N. America | 20 | Prof. James Syvitski, University of Colorado |
| 16.30 | Presentation 13 | Activities in Australia | 20 | Dr Lesley Wyborn, Geoscience Australia |
| 16.50 | Closing comments | Vision of new technologies in science: how research might be conducted in the future. | 20 | Tony Hey, Microsoft |
| 17.10 | Close Session | | 5 | Conference Chair– Session 3 |
| 17.15 | Evening Reception | | | Buffet, poster displays & demonstrations |

18.30 Close