

BRIM network

Environmental modelling and regulation in catchments

Bristol, August 2019



Session 1 Specialised Topics

3:00 Introductions (Guangtao to chair)

3:15 Fair share and catchments statistics

Neil Murdoch

3:45 The Impact of Innovative Permitting Policy on
Urban Waste Water System Performance

Fanlin Meng

4:15 Bacti loads to Marine Environment

Peter Jonas

4:30 Discussion and arrangements for next day

Session 2 Current and Future issues

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|-------|-------------------------------------------------|---------------------------------|
| 9:15 | Introductions (Guangtao to chair) | |
| 9:30 | Environment Agency context – Modelling Strategy | Neil Murdoch |
| 9:45 | SAGIS-SIMCAT System & Risk modelling | Carlos Constantino |
| 10:15 | Statistical paradigm – Monte-Carlo Modelling | Tony Warn |
| 10:45 | Chemicals and Plymouth University research | Sean Comber |
| 11:15 | Tea/Coffee | |
| 11:30 | Agricultural Impacts and Management | Yusheng Zhang |
| 12:00 | Water Quality and Ecology | Mike Dunbar & John Murray Bligh |
| 12:45 | Lunch 12:45 – 1:30 | |

Session 3 Workshop

13:30 Digital environment: the role of data analytics and AI Guangtao Fu
14:00 Marine Modelling Karen Edwards

14:30 Open Discussion

- Key issues for future
- Gaps in :
 - understanding
 - approach
 - and tools

Thanks!

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