K1: Collaborative arrangements and approaches to improving water models and modelling

QUEENSLAND WATER MODELLING NETWORK

Modelling & Monitoring Hub (MaMH)

Where we are and where we go – collaborative arrangements and approaches

QUEENSLAND WATER MODELLING NETWORK

Modelling & Monitoring Hub (MaMH)

The aims of the session:

- To learn about how different collaborative arrangements and approaches to improving water models and modelling have been applied in practice
- To produce a multi-authored (i.e. you) critical, evidence based positioning paper on the roles of such collaborative arrangements and approaches and submit to ??? for publication

How will we do this?:

- Listen and discuss
- Synthesise the evidence contained within the 14 different K1 session paper presentations on collaborative arrangements and approaches
- Collate during the afternoon K1 discussion session the evidence we have from practice about the purposes, opportunities, challenges and success factors of different collaborative arrangements and approaches to improving water models and modelling
- Post conference – use googledocs to write our paper

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Topic area	Time	Paper title
Collaboration mechanisms - Networks	9:05	The Queensland Water Modelling Network – an overview of the benefits of a growing collaborative network (Part A)
	9:15	Case examples of collaborative approaches to Queensland Water Modelling Network projects (Part B)
	9:25	Collaborating to share water modelling and monitoring information in New South Wales
	9:35	CHAIRED DISCUSSION
Collaboration mechanisms - Communities of practice	9:45	Lessons from a water modelling Community of Practice
	9:55	Communities of practice in building river system models for coastal regions of NSW using eWater Source
	10:05	What next for the eWater Source Community of Practice
	10:15	CHAIRED DISCUSSION
	10:25	BREAK

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Topic area	Time	Paper title
Collaboration for model improvement	10:50	Critical Review of Climate Change in Queensland Water Models: Enhancing outcomes
	11:00	A collaborative review process supports better outcomes from environmental modelling
	11:10	Collaborating successfully in integrated assessment and modelling exercises: personal reflections
	11:20	CHAIRED DISCUSSION
Collaborative modelling approaches and platforms	11:30	Towards methods for tracing uncertainty management through a decision support network
	11:40	Constructing customized modelling guidelines: a Participatory Integrated Assessment and Modeling example
	11:50	AWRA-CMS: A framework for hydrological model development
	12:00	A new era for the HowLeaky agricultural systems and water quality model in an open science platform
	12:10	The collaboration model delivering land use information for Australia
	12:20	CHAIRED DISCUSSION
	12:50	BREAK

Topic area	Time	Paper title
All topics	1:45	CHAIRED DISCUSSION AND PAPER PLANNING
	2:50	CLOSING REMARKS
	3:05	CLOSE

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Purpose – intended outcome or impact	Arrangement or approach	Opportunities	Challenges	Success factors

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Stage 1 (15 mins):

- Individually, identify up to three different purposes (outcomes or impacts) of using collaborative arrangements or approaches to improve water models or modelling that you can think of – write each one on a separate sticky notelet and put on butchers paper on floor in talking circle
- Categorize the set down into a smaller set of outcomes or impacts of purpose for stage 2

Stage 2 (40 mins):

- For each set of outcomes or impacts, what are the:
  - Opportunities? *How might we do this?*
  - Challenges? *What might stop us?*
  - Success factors? *What do we need to have in place or do?*

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Outcomes or impacts:

Group 1	Group 2
Skills and knowledge	Improving capability
Acceptance, trust and adoption	Strong use cases
	Usability
Process legitimacy	Helping to build social licence
Confidence and credibility	
Efficiency	Strategic allocation of resources
Influence and impact	Communicability of results
	Thought diversity

Stage 2:

- For each set of outcomes or impacts, what are the:
  - Opportunities? *How might we achieve this?*
  - Challenges? *What might stop us?*
  - Success factors? *What do we need to have in place or do?*

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