

TECHNOLOGY QUESTION

GAPS, PROBLEMS and ISSUES

- Instrumentation and data collection schemes/equipment that measures at intermediate scales
 - -Remote Sensing (large) vs Point measurements (small)
- Need more inexpensive measurement technologies, alternatives and we need wide access to them
 - Many measurement techniques are too expensive
- Many standards but no universal one ¥ how do we compare data measurement or methodologies and the results of these
- Software and technology tools are too expensive – need greater access and less expensive tools.

FUTURE OF HYDROLOGICAL TECHNOLOGIES

- With greater interdisciplinary research and collaboration greater improvement of techniques will occur due to greater exposure to different mindsets and techniques
 - Need better tools of communication
- Need to explore knowledge management techniques
- Tracer technologies has improved process understanding so greater use should be made of the results, and expand this field.
- Increase in computer power will lead to better collaboration and integration of different fields
 - Improved uncertain estimation techniques

NOTES FROM THE BOARD

Group B – Technologies

- Water Quality
- Remote Sensing (we require internet technology)
- Availability and technology – need alternatives
- Computational Increases
- Interdisciplinary – Improves techniques
- How to deal with knowledge
- DSS – Sound Management procedures

- **Standards (too many, too few, no universal standards, measurement, methods, data)**
- **Information, technology transfer (price of software, open sources, database management)**
- **Tracer**
 - **Mineral magnetic**
 - **Also for analysis**
 - **Isotopic Analysis**
 - **DNA Genetics**
 - **Geo chemical**
 - **Uncertainty Estimation tools**

NOTES FROM THE DISCUSSION

- **Technology transfer from developing nations to developed nations should also be considered.**
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