

Future Outlook of Hydrology: Outcome of IAHS/Hydrology 2020 - Part 2

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This paper will discuss some of the main findings of the Hydrology 2020 group. Some examples about the current state of the art of hydrological modelling and observations of processes will be discussed. In addition, it will be illustrated that the bottlenecks and challenges to progress in hydrological science may be categorised as scientific (incomplete understanding of processes, limitations in modelling, lack of data quantity and quality, scale incompatibility); technological (lack of appropriate sensors, lack of useful data management infrastructure); and organisational (disconnect between policy makers and scientific strategy, lack of coordination and testing standards, lack of public awareness, difficulties in technology transfer and capacity building).