Insights into Users' needs

Details based on expressed needs	Different users have different needs, cannot assume a uniform users' community. Climate data and information presented with needs of different audiences in mind (e.g., planners, politicians, policy makers, decision makers, engineers, natural scientists or social scientists)	End to end user-needs driven. Coproduction of services
	Forums for discussion with other users are important as they enable users to share experiences.	Ability to map climate information onto other sources of spatial information relevant to my decision.
	Partnerships between climate information providers and end-users are vital – information supply chain - but does that skew research focus? Would it be better for all requirements to be pushed through a more formal route?	What does the climate information mean for me/my organisation/business objectives?
	Descriptions of climate are necessary, but insufficient – require decision-relevant information that can support adaptation decision-making.	Reliable baseline information on current climate and hazards (we didn't start measuring soon enough, blame the Romans!) • Rainfall for FEH type capability • Drought atlas • Rainfall/temperature daily data
	Flexibility required in how climate change information is presented and can be used. Ability is required to interrogate the information in a variety of ways depending on the users' objectives.	Future information: • True extremes • 10 year events and longer • Spatial and joint dependence between variables • End-user derived variables and derived metrics • Annual maximum rainfall (daily & hourly) • Monthly/seasonal rainfall with inter-annual variability • Wind, solar energy • Heatwave/coldwave
	Ability to integrate climate information from a number of different sources. Also to integrate with non-climate information.	Want to be able to access climate information via existing channels – if being part of an exclusive community is required, folk may not bother.
	Clear, simple and understandable (hierarchical) messages – access to what is needed not just what is available.	Users may not know what they want/need at the start of the engagement process.
	Easily accessible information at various scales (local to global), variety of time scales, different uncertainties – common platform for data and information (including images).	Mode of delivery: • Tailoring information from end-user perspectives • Time series, not just pdf • Web-based • Apps for PDAs
	Accompanying documentation, training and guidance required.	User forum: • Web-based • User-provider engagement
	Decision-relevant information on uncertainty and likelihood – enables risk management approach.	Climate summaries and trends related to known thresholds, variability and extremes for UK (and Europe) – related to requirements to inform adaptation decisions.
	Information that gives the climate information credibility.	Climate summaries, trends and projections/scenarios for droughts, water availability, river flow (specific rivers)
	Climate information at the European scale (up to global) rather than just limited to the UK	Climate summaries, trends and projections/scenarios of extremes (temperature and precipitation), storms and wind
	Historical and current climate information, along with future climate (next 10 years or less, next 20-50 years and next 50-100 years).	Information on different variables and relationships between (dependencies) them.