CMIP7

	Idea	Short (< 1 year) Medium (1-2 yr) Long (2-5 yr)	NRI team
1	Testing packages and quicker feedback to model dev on each new version – benchmarking infrastructure, ESMvalTools and PMP (PCMDI tool) as examples	Short (initial phase)	User engagement
2	Testing packages and quicker feedback to model dev on each new version – benchmarking infrastructure, ESMvalTools and PMP (PCMDI tool) as examples	Short (initial phase)	Coupled Model
3	New MIPs needing new forcing data (e.g. COVIDMIP) and different configurations – flexibility to run model in new ways in a short timeframe	Medium	Coupled Model
4	Model flexibility in resolution and components to enable research - for different purposes (CMIP7 MIPs but other questions too)	Medium	Coupled Model
5	Process to enable model to be fit for purpose in addressing the latest questions in variability and change – e.g. running efficiently to enable large ensembles, suitable resolution, reasonable climate sensitivity value etc. (monitoring, evaluation and verification)	Long	Coupled Model
6	Process to enable model to be fit for purpose in addressing the latest questions in variability and change – e.g. running efficiently to enable large ensembles, suitable resolution, reasonable climate sensitivity value etc. (monitoring, evaluation and verification – joint process between dev and users)	Long	User engagement
7	Platform for provisioning experiment types – including versioning, documenting using best practice techniques	Short – existing Long – new runs	Software?