

TSUNAMI - PROJECT SELECTION STEP 2

TSU/97/11

Reference	Title	Code for Institution	Greig Fester		Catlin		D P Mann		Royal & SunAlliance		Weighted Average	
			Benfields	Sedgwick	Wren	Commercial Union	BAS					
T024	Seasonal predictions of climatic hazards to agriculture in US and Europe	MET	1	1	4	2	3	2	1	1	1	1.78
T026	Risk estimates from storm damage to fish farms	MET	1	1	1	1	2	1	1	1	1	1.11
T029	CROPWATCH - Medium range forecasting of water availability for crop futures and insurance in Europe	IH	1	1	2	1	2	1	1	1	1	1.22
T003	Prediction of Global Warming Effect on Tropical Cyclone Activity	MSSL	3	1	3	3	5	4	4	3	4	3.33
T013	Influence of surface temperature of the North Atlantic on extreme climate events	SOC	3	3	4	4	5	2	4	3	4	3.56
T018	Seasonal prediction of tropical cyclone activity	MET	5	2	5	5	5	4	4	3	4	4.11
T027	Forcing and ocean response in climatic extrema (FORCE)	CEFAS	2	2	2	3	3	3	4	1	3	2.56
T028	Hydroclimatology: large-scale interactions between atmosphere and hydrosphere	IH	2	1	3	2	4	2	4	3	3	2.67
I018	Influence of North Atlantic Oscillation and climate variability.	INS	2	4	3	3	5	2	4	4	4	3.44
T001	Global earthquake data and intensity forecasting (GEDIF)	BGSG	2	2	5	2	3	4	4	4	3	3.22
T053	Real time earthquake observations	DERA	2	1	1	2	1	1	1	1	1	1.22

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T056	Identification of active faults using SPOT-generated digital elevation models	UCL	1	4	3	2	3	1	1	3	2	2.22
I001	Estimation of Hong Kong earthquake risks	INS	3	1	5	3	3	3	1	4	4	3
I003	Estimation of earthquake or land/seabed slip in the Caribbean Region.	INS	3	3	4	4	4	4	1	5	4	3.56
I015	Earthquake damage estimates for San Francisco and Los Angeles.	INS	3	3	5	5	4	5	1	3	3	3.56
I020	Earthquake estimates for Western Europe particularly Italy.	INS	3	4	5	5	4	3	1	3	3	3.44
T012	Flood forecasting for the insurance industry	IH	1	2	3	3	4	1	1	5	5	2.78
T022	Real-time flood forecasting	MET	1	1	2	3	5	1	1	5	4	2.56
T051	Direct observation of flooding from extreme rain storm events	DERA	5	3	4	2	3	3	3	3	3	3.22
I005	Estimation of risks from flood for the UK.	INS	5	1	5	4	4	3	5	4	3	3.78
T021	Extreme rain-storm events in the UK	MET	2	3	5	5	5	3	1	2	4	3.33
T048	Improved estimates of post loss cost development by analysis of changing supply curves.	ORMAN	4	3	5	3	3	4	5	3	3	3.67

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			Benfields	Sedgwick	Wren	Commercial Union	BAS					
T059	Ice risks to navigation and offshore structures - changes and innovations	SPRI	2	1	2	2	2	1	1	1	4	1.78
I010	Application of understanding of demographic behaviour to incurred risk and consumer behaviour.	INS	2	3	3	2	4	4	5	4	1	3.11
I011	Correlations between economic behaviour and insurance loss.	INS	5	3	5	4	4	4	5	5	3	4.22
I012	Psychological analysis to assist in assessing fraud risk.	INS	2	1	4	1	2	3	5	4	2	2.67
I016	New business creation through better estimation of currently uninsured risks.	INS	5	1	4	4	4	4	5	4	4	3.89
I023	Meta-data management methods applied to insurance.	INS	4	1	3	3	4	1	1	2	4	2.56
T010	Better risk profiling for marine underwriting	BOMEL	2	1	4	4	5	1	5	1	5	3.11
T015	Risk to shipping	SOC	3	2	4	4	4	1	5	1	4	3.11
I022	Risk estimating in marine underwriting.	INS	2	2	4	5	5	1	1	4	3	3
T031	Alpha-stable processes and mixture models with applications to insurance forecasting	CUENG	3	4	5	4	1	2	5	3	5	3.56
T032	New mathematical methods for extreme statistical analysis	CUENG	3	5	5	4	1	4	5	5	5	4.11

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T038	Estimating aggregate exposure to extreme events	IH	5	1	5	4	1	4	3	4	3	3.33
T039	PURSE - Managing and integrating risks for loss control: development of a prototype uncertainty propagation model	QUANTIS	4	1	5	5	2	3	3	4	4	3.44
T046	Relating expected payouts and risks for portfolios of nonindependent insured events subject to cumulative catastrophic losses	QUANTIS	4	1	5	5	1	3	3	2	3	3
T047	Singular systems analysis of low frequency events within multiple time series data, with applications to tidal gauge data in estimating trends in natural risk to coastal and offshore installations.	QUANTIS	4	1	4	4	1	1	1	1	3	2.22
T055	ADEPT II - Analysis of spatial dependence due to natural loss exposures	IH	2	1	1	2	1	3	1	1	2	1.56
I009	Application of new mathematical methods for the analysis of extreme statistics.	INS	3	1	5	3	1	4	5	5	5	3.56
I021	Credit and economic risk correlations using new mathematical methods.	INS	3	1	5	5	2	1	1	1	1	2.22
T008	Increases in local wave heights and impact velocities due to wave diffraction	OXF	2	1	1	4	4	1	1	1	4	2.11
T009	Wave and wind exposure to offshore platforms	BOMEL	2	1	2	4	2	1	5	1	4	2.44
T014	Medium range forecasting of wave conditions in the Northern Hemisphere	SOC	2	2	1	4	3	1	1	1	4	2.11

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T025	Wave and wind exposure to offshore platforms	MET	3	2	2	5	5	1	5	1	5	3.22
T034	Quantification of risk arising from weather related incidents on offshore platforms	PARAS	2	1	3	4	2	1	1	1	1	1.78
I008	Improving single event and aggregated offshore oil platform loss estimates.	INS	2	2	1	3	3	1	5	1	4	2.44
T049	Assessing environmental risks from liquid product pipelines.	ADL			3		2	3		1	1	1.11
T002	Direct measurement of land subsidence from space with SAR interferometry	MSSL	4	2	1	1	2	4	1	1	2	2
T004	Evaluation of the risks to satellites from the radiation belts	MSSL	4	1	5	1	5	1	1	1	3	2.44
T005	Satellite risk	BAS	3	1	2	1	5	1	1	1	5	2.22
T050	Satellite damage estimation from debris	DERA	4	1	1	1	3	1	1	1	3	1.78
I024	Correlation of satellite life losses and space weather events.	INS		1	1	1	5	1	1	1	5	1.78
T007	Seafloor instability	BGSK	2	1	1	4	1	1	1	1	3	1.67
T016	Risks associated with seafloor instability	SOC	2	1	3	4	1	2	3	1	4	2.33
T030	Volcanic hazard from the Kick 'Em Jenny seamount in the South-West Caribbean	SOC	2	1	3	4	3	3	1	4	4	2.78

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T058	Hazard assessment of the impact of continental slope and oceanic island volcano instability on coastal and offshore installations.	UCL	2	4	4	4	1	1	3	1	2	2.44
T020	UK storm surge hazards	MET	4	2	5	5	5	1	3	1	3	3.22
T052	Land risk marine erosion observations	DERA		1	1	1	1	1	1	1	1	0.89
T054	Observation of real-time storm surge events from satellite imagery	DERA	4	1	1	1	4	1	3	1	3	2.11
T023	Climatic controls on subsidence losses in the UK	MET	4	2	2	1	3	4	5	1	3	2.78
T040	Forecasting long-term soil moisture content for subsidence risks	UEA	3	1	1	1	2	4	5	5	4	2.89
T057	Identification and characterisation of terrains prone to large-volume slope movements.	UCL	1	2	1	1	1	3	1	5	2	1.89
I006	Estimation of subsidence risk by forecasts of prolonged dry periods.	INS	1	3	1	1	2	4	1	2	3	2
T017	Teleconnections of extra-tropical climate extremes	MET	3	3	3	4	5	3	5	1	5	3.56
T036	Teleconnections of extra-tropical extremes	PML	2	2	1	3	3	1	5	1	3	2.33
T037	Investigation of Antarctic sea ice anomalies as a potential ENSO predictor	BAS	3	2	1	3	4	2	5	1	5	2.89

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T006	Well control/facilities and oil production business interruption insurance	BGSK	2	1	1	4	1	1	3	1	3	1.89
T035	Risk assessment for well control events from geologically induced loss of control.	PARAS			1				1			0.22
I007	Improved estimates of well control, facilities loss and business interruption for oil and gas production.	INS	2	1	1	3	1	1	1	1	2	1.44
T019	Windstorm hazard in NW Europe	MET	1	3	3	2	5	3	5	4	4	3.33
T033	Storm-to-surface transfer functions	UEA	2	2	3	2	5	2	5	1	3	2.78
I002	Refinement of the Gray model for tropical storm prediction	INS	3	3	4	2	5	4	1	4	4	3.33
I004	Impact of climatic change on UK storm modelling.	INS	4	3	4	3	4	3	1	1	5	3.11
I013	Sea surface temperature changes and northern limit of hurricane tracks.	INS	5	2	3	5	5	3	1	3	4	3.44
I014	Fall off of hurricane strength as hurricanes move from sea to land.	INS	4	2	3	5	3	2	1	4	4	3.11
I017	Correlation between sea surface temperature and NW Europe storm tracks.	INS	1	4	2	3	5	1	5	1	3	2.78
I019	Correlations between mean wind speeds and gust speeds.	INS	2	4	3	2	5	3	3	5	3	3.33