

GAIA-CLIM –Task 6.3

Prioritising potential gap remedies and improvements in capabilities

Some ideas for methodology

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Consider selected fields of the gaps description and attribute a ranking to each field:

Gap field	options	Priority (0 to 5)	comments
Expected Gap Status after GAIA-CLIM	GAIA-CLIM will close this gap	0	
	GAIA-CLIM will partly close this gap,	1	
	After GAIA-CLIM this gap is likely to remain	1	
Identified benefit	High	1	
	Medium-High	2	
	medium	3	
	Medium-low	4	
	Low	5	
Identified risk of non-resolution of gap	High	1	
	Medium-High	2	
	medium	3	
	Medium-low	4	
	Low	5	
Expected Viability for the Outcome of Success	High	1	
	Medium-High	2	
	medium	3	
	Medium-low	4	
	Low	5	
Scale of work	Individually	1	
	Single institution	2	
	Consortium	3	
	Programmatic multi-year, multi-institution activity	4	
	Other	5	
Time bound to remedy	< 1 year	1	
	< 3 years	2	
	< 5 years	3	
	< 10 years	4	
	>10 years	5	
Cost	< 1 MEuro	1	
	< 5 Meuro	2	
	>5 Meuro	3	
	>10 MEuro	4	
	unknown	5	

Then set priorities by multiplying ($1 \rightarrow 5^7$) or summing ($7 \rightarrow 35$) rankings.

Example:

Gap ID	Gap ID	Expected gap status after GAIA-CLIM	benefit	Risk to non-resolution	Expected Viability for the Outcome of Success	Scale of work	Time bound to remedy	Cost	Priorit y (product)	Priorit y (sum)
4.08	Estimates of uncertainties in microwave ocean surface emissivity models	1	1	2	1	2	2	1	8	10
6.03	Lack of sustained dedicated observations to coincide with satellite overpass to minimise co-location effects	1	2	3	1	4	5	3	360	19



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