Group 1: Biological in situ resource utilization

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Current capabilities:

	Mission ideas:	Needed capabilities	Required research & technology development.
5 years			
15 years			
30 years			
> 30 years			

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Current capabilities:

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	Mission ideas	Needed capabilities	Required research & technology development
5 years	Harden a surface Energy capture Soil production & detox Capabilities trade studies	Fuel, O2, Basic construction	Systems Analysis High level Logistics I/O Separation techniques

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	Mission ideas	Needed capabilities	Required research & technology development
15 years			

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	Mission ideas	Needed capabilities	Required research & technology development
30 years			

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	Mission ideas	Needed capabilities	Required research & technology development
> 30 years			