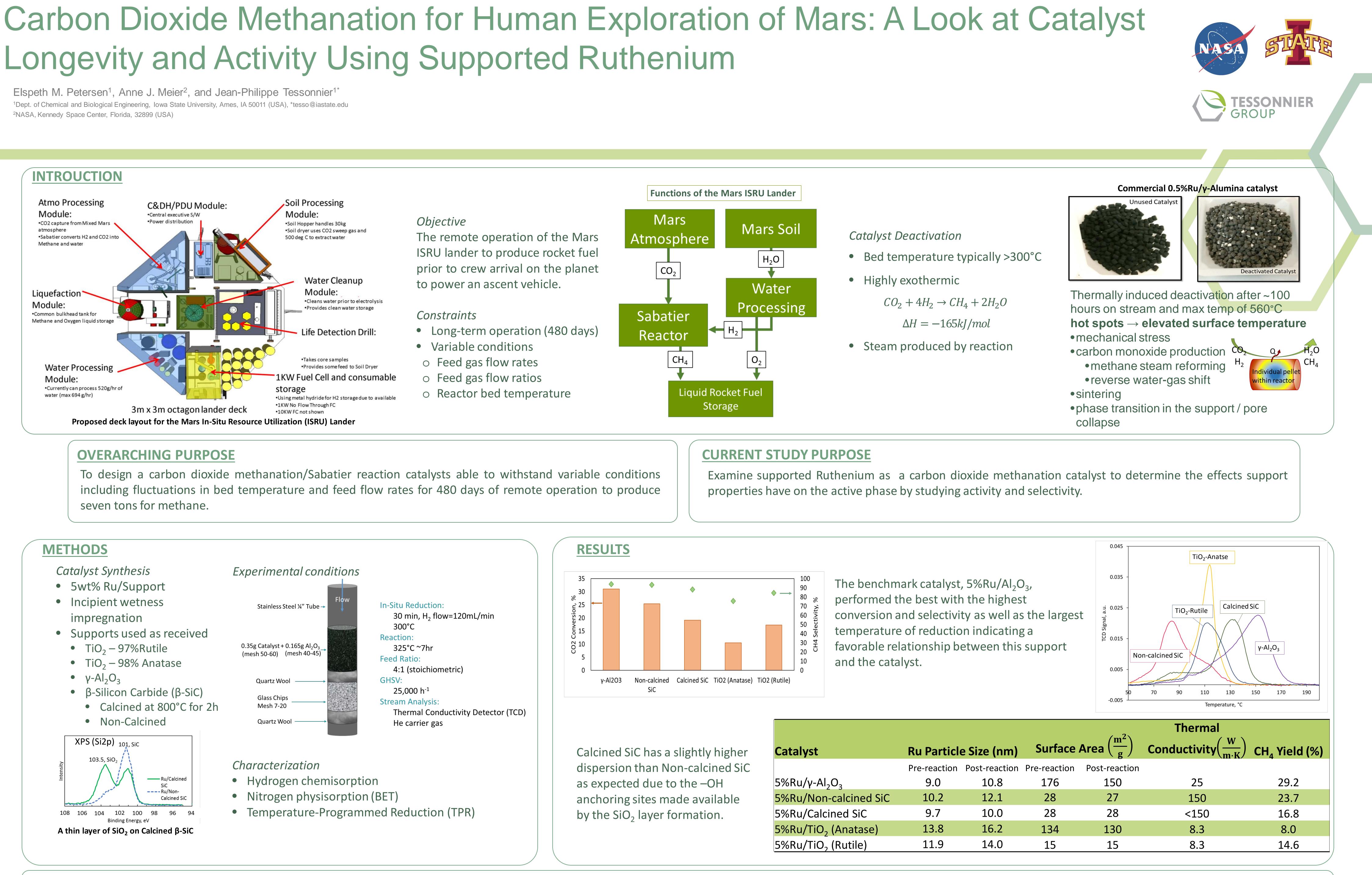
Longevity and Activity Using Supported Ruthenium

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CONCLUSIONS

Selectivity improves over time – sintering of the smallest Ru particles Overall particle size increases and some support sintering is possible but not outside possible error for BET. It is surprising that the rutile titania does not perform better as a support. Its superior performance has been documented in previous work.

REFERENCES

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higher	Catalyst	Ru Particle Size (nm)		Surface A	
ned SiC		Pre-reaction	Post-reaction	Pre-reaction	
ЭН	5%Ru/γ-Al ₂ O ₃	9.0	10.8	176	
ilable	5%Ru/Non-calcined SiC	10.2	12.1	28	
on.	5%Ru/Calcined SiC	9.7	10.0	28	
	5%Ru/TiO ₂ (Anatase)	13.8	16.2	134	
	5%Ru/TiO ₂ (Rutile)	11.9	14.0	15	

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