

Break-Out Session 1: Prioritizing the Science

Please indicate which SCD Science Question you are evaluating (circle or highlight one):

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| 1. Controls on the size, frequency and slip behavior of subduction plate boundaries | 5. Geochemical products of subduction and creation of continental crust |
| 2. Spatial and temporal patterns of deformation through the seismic cycle | 6. Subduction zone initiation and arc system formation |
| 3. Linkages between volatile release and the rheology of the plate boundary interface | 7. Feedbacks between surface processes and subduction dynamics |
| 4. Storage, transfer, and release of volatiles through the subduction system | |

****Refer to your packet for sub-questions under each Science Question**

SCD-IW EVALUATION MATRIX Use this worksheet as an objective means to evaluate implementation approaches. List the sub-questions for the selected topic below, and evaluate required implementation strategies & needs. Use a ranking 0-4 scheme, where 4 meets needs ideally, needs ideally, and 0 is not suitable.	Sub-Question Priority	(T)heme or (P)rimary Site	What is the compelling science?	Specific experiments/site attributes needed	What is achievable in 5 years?	What is achievable in 10 years (nominal program lifetime)?	Highest priorities for sequestered funds
Sub-Question 1.							
Sub-Question 2.							
Sub-Question 3.							
Sub-Question 4.							
Sub-Question 5.							

