Assessment of Science, Engineering, Technology and Innovation (SETI) needed to accelerate the achievement of Sustainable Development Goals’ (SDGs) targets and indicators

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Why Science, Engineering, Technology and Innovation?

SETI touches on virtually every proposed SDG and has a cross-cutting role to play in addressing the interconnected challenges of sustainable development and providing effective solutions to the emerging problems of a post-2015 world.
SETI in 17 SDGs

- 79 out of 169 targets relate to SETI
- 37 out of 232 indicators relate to SETI

- This includes targets and indicators which:
  - explicitly refer to SETI
  - issues that are most often largely discussed in SETI terms
  - SETI is only one of the many means for implementation

We need to have the knowledge, we need to be able to apply it and we need to be able to make an impact.
Analysis of SETI in AP-FAST Area of Focus

SDG 5, 6, 11, 13, 14, 15 & 17 – 35 targets & 20 indicators

Goal 5 Achieve gender equality and empower all women and girls

Target 5.b

Indicator 5.b.1
Goal 6 Ensure availability and sustainable management of water and sanitation for all

Targets
6.1, 6.2, 6.3, 6.4, 6.5, 6.a

Goal 11 Make cities and human settlements inclusive, safe, resilient and sustainable

Targets
11.1, 11.2, 11.6, 11.b, 11.c

Indicators
11.6.1, 11.b.1, 11.b.2, 11.c.1
Goal 13 Take urgent action to combat climate change and its impact

Targets
13.3, 13.b

Indicators
13.1.2, 13.1.3, 13.2.1, 13.3.1, 13.3.2, 13.b.1

Goal 14 Conserve and sustainably use the oceans, seas and marine resources for sustainable development

Targets
14.1, 14.3, 14.4, 14.5, 14.7, 14.a

Indicators
14.7.1, 14.a.1, 14.c.1
Goal 15 Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss

Targets
15.1, 15.3, 15.4, 15.5, 15.8, 15.9, 15.a, 15.b

Indicators
15.4.1, 15.9.1

Goal 17 Strengthen the means of implementation and revitalize the global partnership for sustainable development

Targets
17.1, 17.6, 17.7, 17.8, 17.9, 17.16, 17.18

Indicators
17.6.1, 17.6.2, 17.1, 17.8.1
SDGs, SETI and the Asia Pacific

• Capacity Building efforts should focus on promoting low-cost “pro-poor” innovations that are based on locally available resources

• SETI can be used as an enabling mechanism to address priority developmental challenges through developing technological solutions to these challenges

Thank you!