



## 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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REGIONAL WORKSHOP ON FACILITY FOR ACCELERATING SCIENCE AND TECHNOLOGY (FAST) TO FOSTER THE IMPLEMENTATION OF THE SUSTAINABLE DEVELOPMENT GOALS IN ASIA AND THE PACIFIC AND LAUNCHING OF ASIA PACIFIC - FAST TIMOR LESTE 2017




### 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.

1 NO POVERTY	2 ZERO HUNGER	3 GOOD HEALTH AND WELL-BEING	4 QUALITY EDUCATION	5 GENDER EQUALITY	6 CLEAN WATER AND SANITATION
7 AFFORDABLE AND CLEAN ENERGY	8 DECENT WORK AND ECONOMIC GROWTH	9 INDUSTRY, INNOVATION AND INFRASTRUCTURE	10 REDUCED INEQUALITIES	11 SUSTAINABLE CITIES AND COMMUNITIES	12 RESPONSIBLE CONSUMPTION AND PRODUCTION
13 CLIMATE ACTION	14 LIFE BELOW WATER	15 LIFE ON LAND	16 PEACE, JUSTICE AND STRONG INSTITUTIONS	17 PARTNERSHIPS FOR THE GOALS	

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## 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

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We need to have the knowledge, we need to be able to apply it and we need to be able to make an impact.

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## Analysis of SETI in AP-FAST Area of Focus

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

 <b>5 GENDER EQUALITY</b>	 <b>6 CLEAN WATER AND SANITATION</b>	 <b>11 SUSTAINABLE CITIES AND COMMUNITIES</b>
 <b>13 CLIMATE ACTION</b>	 <b>14 LIFE BELOW WATER</b>	 <b>15 LIFE ON LAND</b>
 <b>17 PARTNERSHIPS FOR THE GOALS</b>		

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## Goal 5 Achieve gender equality and empower all women and girls

Target 5.b  
Indicator 5.b.1



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### 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



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### 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



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 **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



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 **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



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  **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



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  **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



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## 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!**

