

Group #4

Prospective of CanSat Hands-on Education Projects



Moderator:

Hiraku Sakamoto, Tokyo Tech

Mohammed Khalil Ibrahim, Cairo University

Let's discuss “Ideal CanSat Curriculum”



Ideal curriculum may include...

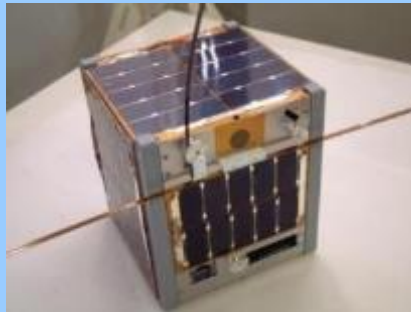
- ✓ Various engineering disciplines (EE, structures, programming..)
- ✓ Systems Engineering and Project Management etc...
- ✓ **International cooperation** → Standardization of CanSat education!

Meaning of CanSat Education

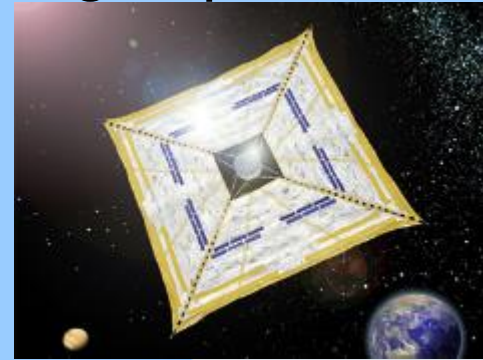
CanSat



Nano Satellites



Larger spacecraft



Stepping up

University

Space Agency

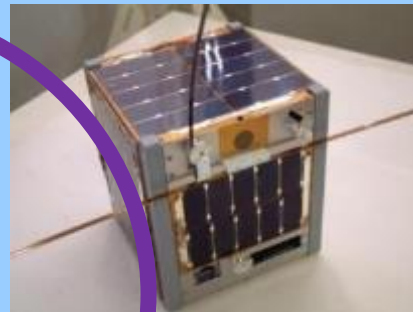
Meaning of CanSat Education

Congratulations CLTP5 Graduates!

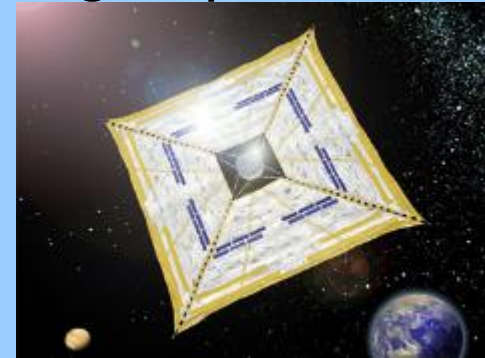
7 future CanSat leaders completed the training program in Fall 2014



Nano Satellites



Larger spacecraft



CanSat



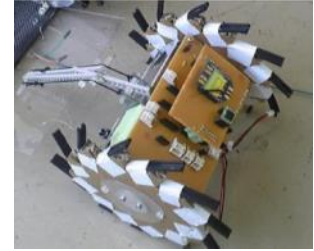
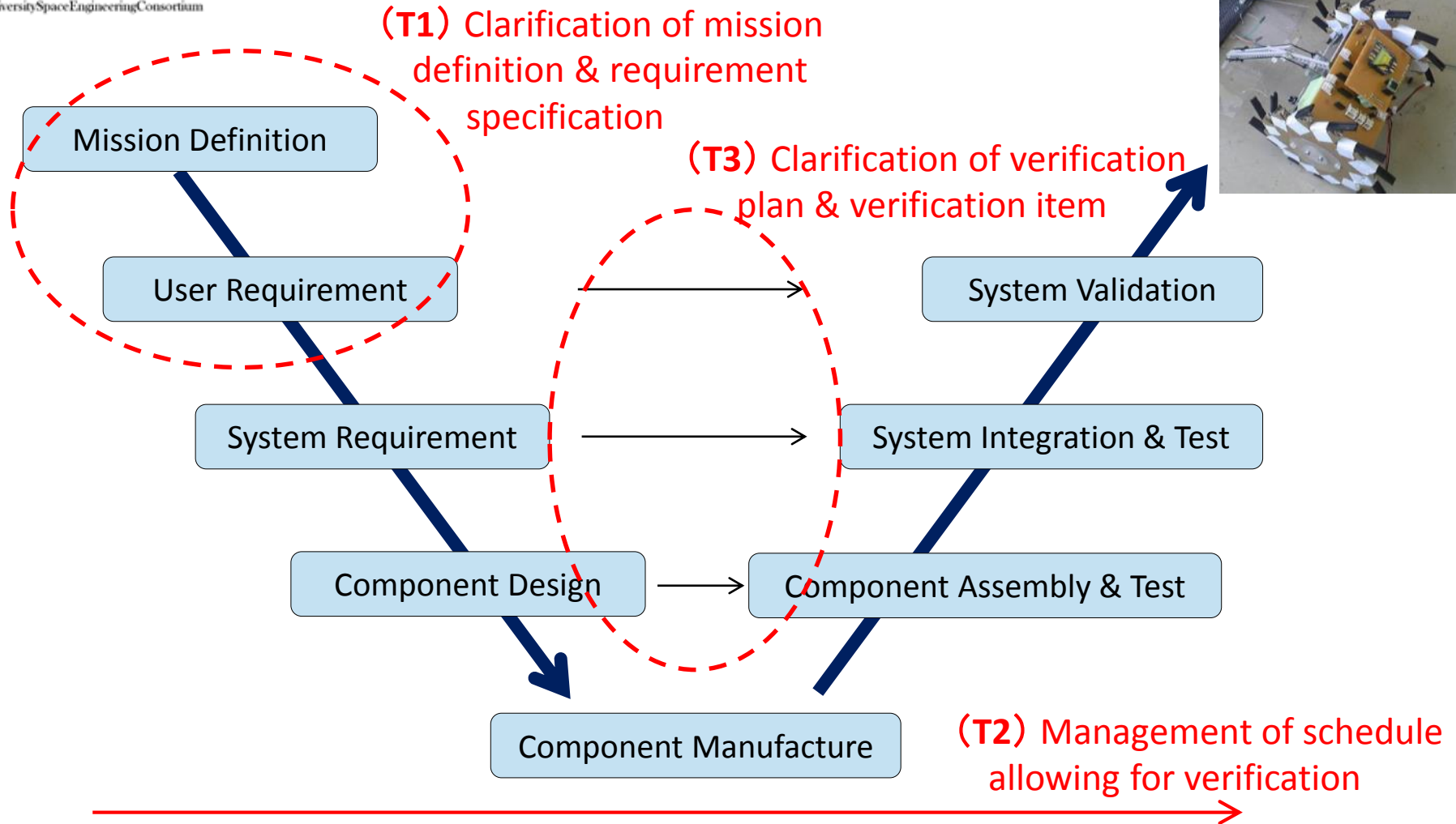
Stepping up

University

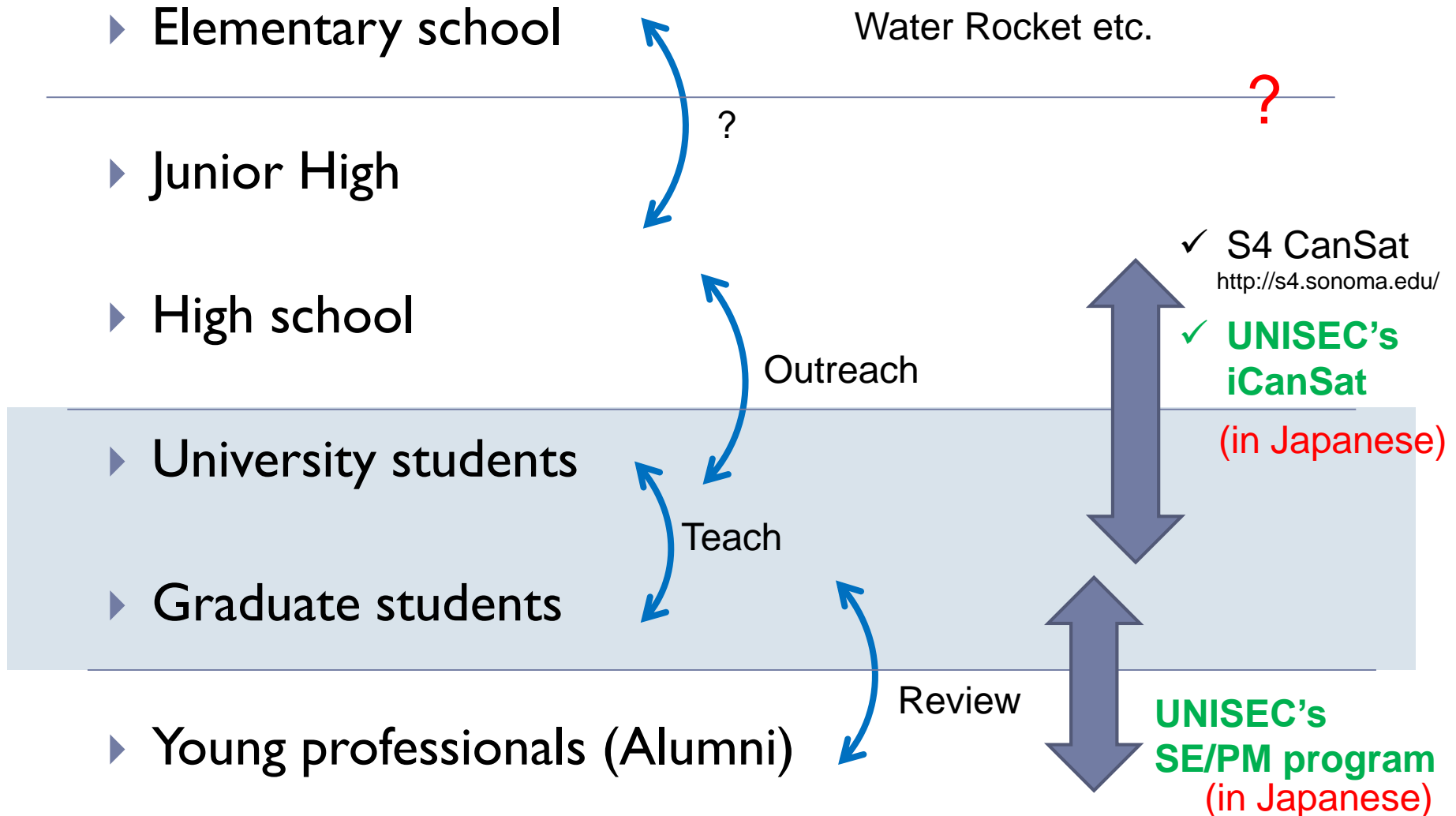
Space Agency

What will be the next-step curriculum?

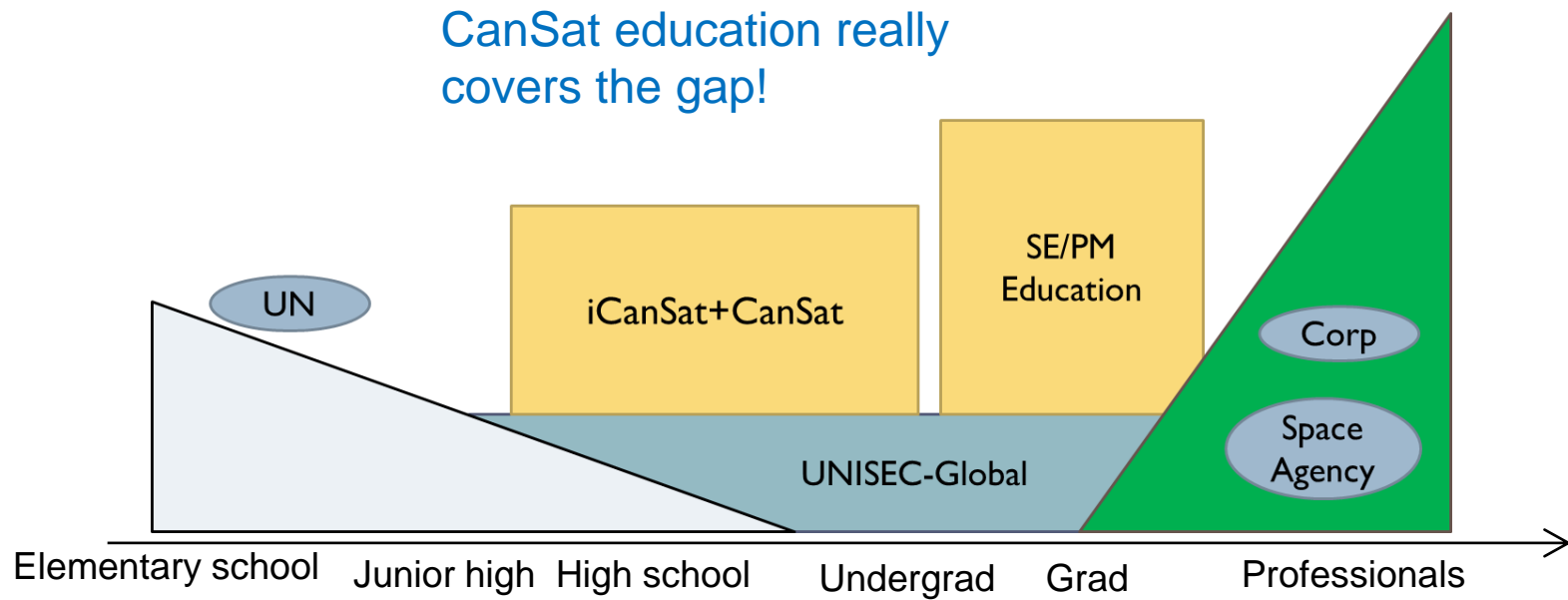
Systems Engineering/Project Management educational program in Japan (2010-)



Summary of Existing CanSat Hands-on Curriculum



Conceptual Vision for CanSat Education



► Issues and possible solutions:

- **Lack of Instructors** ➡ (1) Continue CLTP in Japan, (2) Start more Local CLTP, (3) CanSat education at 3rd UNISEC-Global meeting?
- **Hardware import restrictions** ➡ We want to ask for UN certificate
- **Lack of coordinators** ➡ We recommend to form **UNISEC-Global Education Committee**
- **Lack of funding** ➡ UNISON-global can look for corporate sponsors

Group #4 are:

Essien, Fatima, Koki, Masaaki, Shunsuke,
Taiwo, Ted, and Hiraku

Thanks for the intensive discussion!



Contact: Hiraku Sakamoto, Ph.D.
hsakamoto[at]mech.titech.ac.jp