



# Experience of SSP15

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Space Studies Program 2015 (SSP15)  
International Space University

Saho Yajima  
Tohoku University

# About ISU

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- Lecturer: professional of each field
- strong network in space fields



# About ISU

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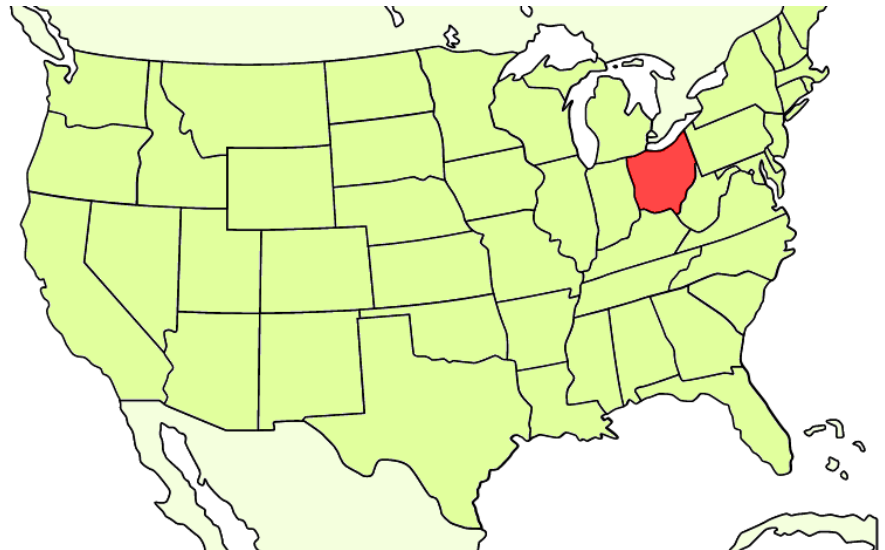
## Main Program of ISU

**M**ater of **S**pace **S**tudies (MSS) 1-2 years

**S**pace **S**tudies **P**rogram (SSP) 9 weeks

SSP15  
(2015.6.6-8.7)

Athens, Ohio, US



# 3 "I"s of ISU

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International

Intercultural

Interdisciplinary

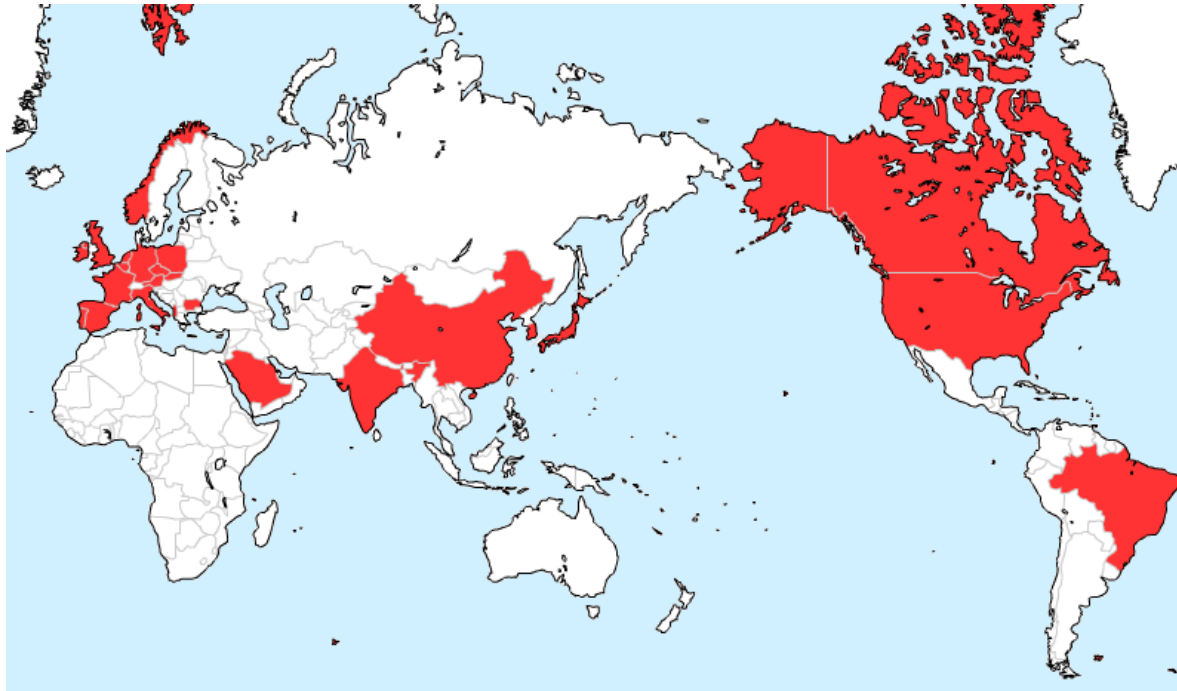
# 3 "I"s of ISU

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International

Intercultural

Interdisciplinary



99 participants from 26 countries (SSP15)



# 3 "I"s of ISU

International

Intercultural

Interdisciplinary

## Culture Night



# 3 "I"s of ISU

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International

Intercultural

Interdisciplinary

## 7 departments

Space Engineering (ENG)

Space Sciences (SCI)

Human Performance in Space (HPS)

Space Applications (APP)

Space Management and Business (MGB)

Space Policy, Economics, and Law (PEL)

Space Humanities (HUM)

# Curriculum

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Phase 1

Core Lecture

Phase 2

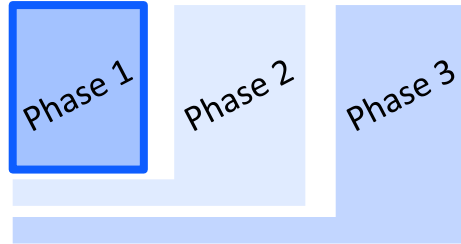
Department  
Activity

Phase 3

Team Project



# Core lecture



Learning basic knowledge  
of each departments



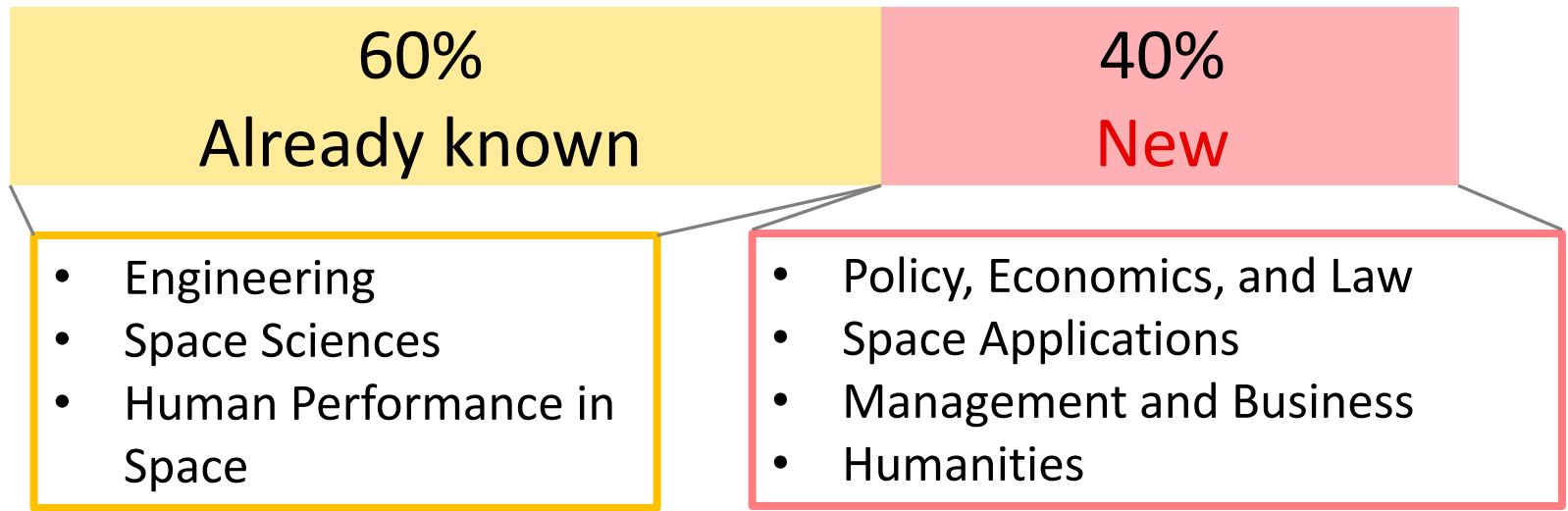
# Core lecture

My strongest motivation:

Learning Policy, Economics, and Law aspects

→ difficult to learn in Japan

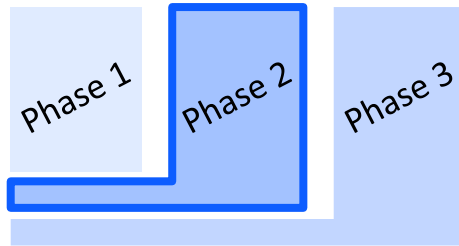
Core Lecture



Made basic knowledge “interdisciplinary”

# Department Activity

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Learning a bit deeply about one department with hands-on activities

PEL (Policy, Economics, and Law)

Simulation

- Making “Mars Treaty”
- Court of Accident during Space Travel
- Making business model

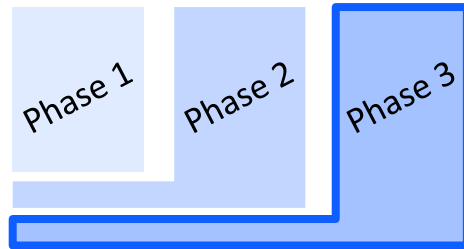
etc.

Individual project

**Learned how Law or Policy works**

# Team Project

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Learning to use interdisciplinary knowledge and work in international team



Vision 2040

Forecast futures and make strategy for ISU

# Team Project

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At the first...

Just a student...

Major not related to space...

Poor English...

How can I commit...?

During the TP...

- Proposal of base idea of strategy
- Making presentation material
- +
- Learning how to have confidence

**Started to have confidence**



# Team Project

Final presentation



Talk about strategy as one of the presenter

Succeeded to make everyone surprised

# After SSP

## STEAM education

(Science Technology Engineering Art Math)



<http://www.steamakers.co/>

# Learning outcome

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## Culture Night

- Culture of other country

## Core lecture

- Basic knowledge of each department

## Department Activity

- How law or policy works

## Team Project

- How to work in international team
- Having confidence

# What I got in SSP15

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- Knowledge of space or space development
- English
- Culture of other country
- Having confidence
  
- Good friends
- Access to strong network of Space field
- Trying new things
- Recovering motivation of STEAM education
- Some specific skill (making game, video, martial arts...etc.)





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Thank you for your attention!