



# **Universal Design Symposium in Japan – International Collaboration –**

Day 3 (September 26, 2016)

“plan an inclusion program in your country” workshop

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**&**

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## Day 3: International Session

- Invited Talks by Amelia Ortiz-Gil (Spain) and Wanda Diaz Merced (IAU OAD)
- Short Talks:  
India, South Korea, Taiwan, Philippines, Indonesia, Vietnam, Armenia
- Workshop "Plan an inclusion program in your country"  
5 Groups, 27 people participated in the workshop



# In the Workshop

Main challenges, the struggle for support

- (1) Finding a community
- (2) Sustainability of activities and programs
- (3) Feelings of insecurity

## (1) Finding a community

Identify who are the agents in your community.  
Identify local support policies to your programs.

**Example: Japan**

**2010 → 2013 → 2016**

Built domestic community

International collaboration

# Group Discussion1: Why inclusion activities?

- Making friends is fun
- To expand the horizon of every one, education is important for every one
- To inspire people with disability, to remove the barriers
- We were born in the same Universe, astronomy is a good theme to share knowledge and resources
- Every body has a same right to learn
- To remove misconception and prejudice
  - 2-way communication is important

**Challenge:**  
**sustainability**  
→ **Low cost**



## Group Discussion2: What the low cost?

- Depends on policy
- Share ideas and resources, Recycle materials, Ask donation
- Use broadcasting programs for free
- Even if the investment is expensive, but once a tool is obtained, our activities can be expanded
- Collaboration with local community



**(2) Sustainability**

## Group Discussion3: Role play

Five Scenarios, assigned one to each group:

1) *“I have a bimonthly observation session with a portable small telescope to my community. Some of the members are blind and visually impaired that come with their families.”*

2) *“I have a regular planetarium show with visual and audio content and I have a visually impaired audience.”*

3) *“I have a medium sized public outreach observatory with stairs only access.”*

4) *“I have to give a presentation in a classroom about the Solar System, for people with cognitive impairments.”*

5) *“I have a regular planetarium show with visual and audio content and I have a hearing impaired audience.”*

# Group Discussion3: Role play

## (3) Insecurity

### 1) Blind and visually impaired audiences at a stargazing party



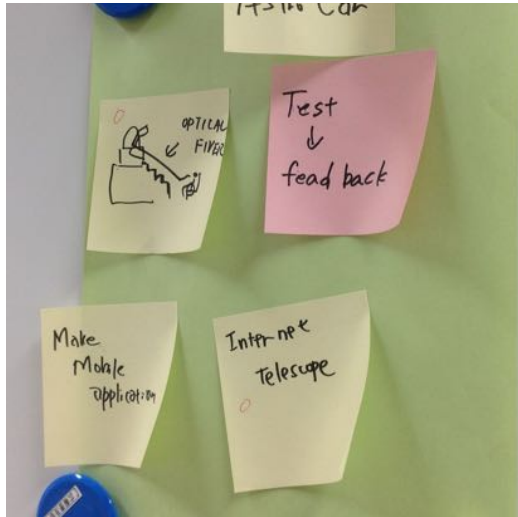
- Mind the diversity of the impairment & adapt to each case;
- Tactile model of the telescope;
- 3D materials of what is being observed;

### 2) Visually impaired audience at a planetarium show



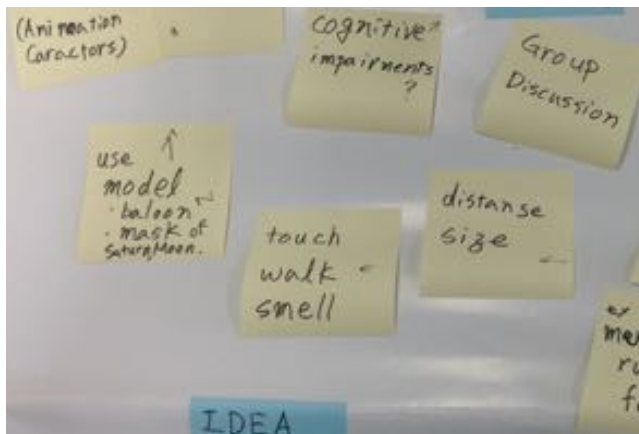
- Carefull description included in the audio;
- Scale tactile models of what is being observed;
- Direction of motion inside the dome via audio system;

### (3) Public outreach observatory with stairs only access



- Mobile Observatory;
- Online broadcasting of the observing session;
- Produce an online observing app;
- Use optical fiber cable;

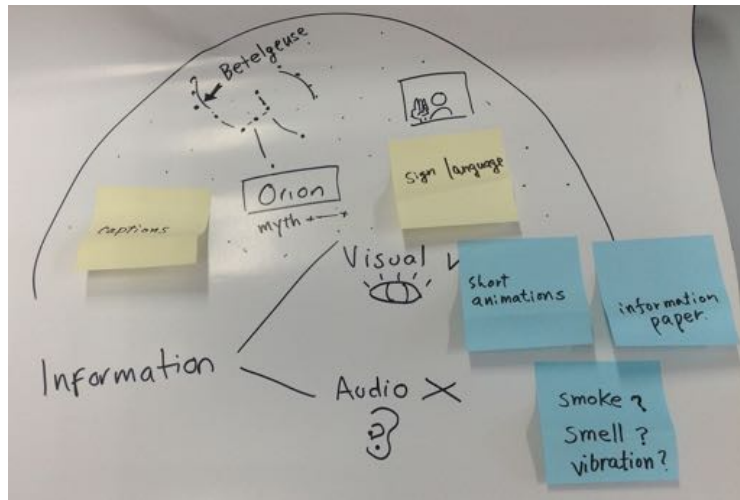
### (4) Solar System presentation for people with cognitive impairments at a classroom



- Cognitive impairments – the need for clear clarification;
- Role play – moon, planets, sun, earth
- Use different senses like warm, cold, soft, etc...
- Use Anime Characters for the objects



## (5) Hearing impaired audience at a planetarium show



- Sign Language;
- Short animations;
- Information handout in advance;
- Other senses: vibration (directional in the seat; but expensive), smell, etc...

## Conclusions:

- Information about the characteristics of the audience;
- Information about the characteristics of the impairment;
- Access pros and cons of each “solution taken”;
- Funding oriented solutions / not having funds cannot be an answer;

# **Beyond the Symposium: Beginning of International Collaboration**

## **- Planning in each country**

Define: What? Where? How? When? With Whom?  
Keywords. Target Group. Description. Learning  
Objectives. Materials.

**Whose support will you need?**

**What skills you need to implement your plan?**

- Compiling new guidelines for everyday situations. Not reinvent the wheel. Participatory working document.**
- Keep in touch! Report activities in 6 months (tentative). And also... JOIN US!**