



June 2019

WHAT IS THE MOON VILLAGE ?

?



IS ...

- An ensemble of global efforts: governmental, private and general public
- Exploring and using the moon resources in a sustainable manner
- A Lunar Community on the surface and cis-lunar



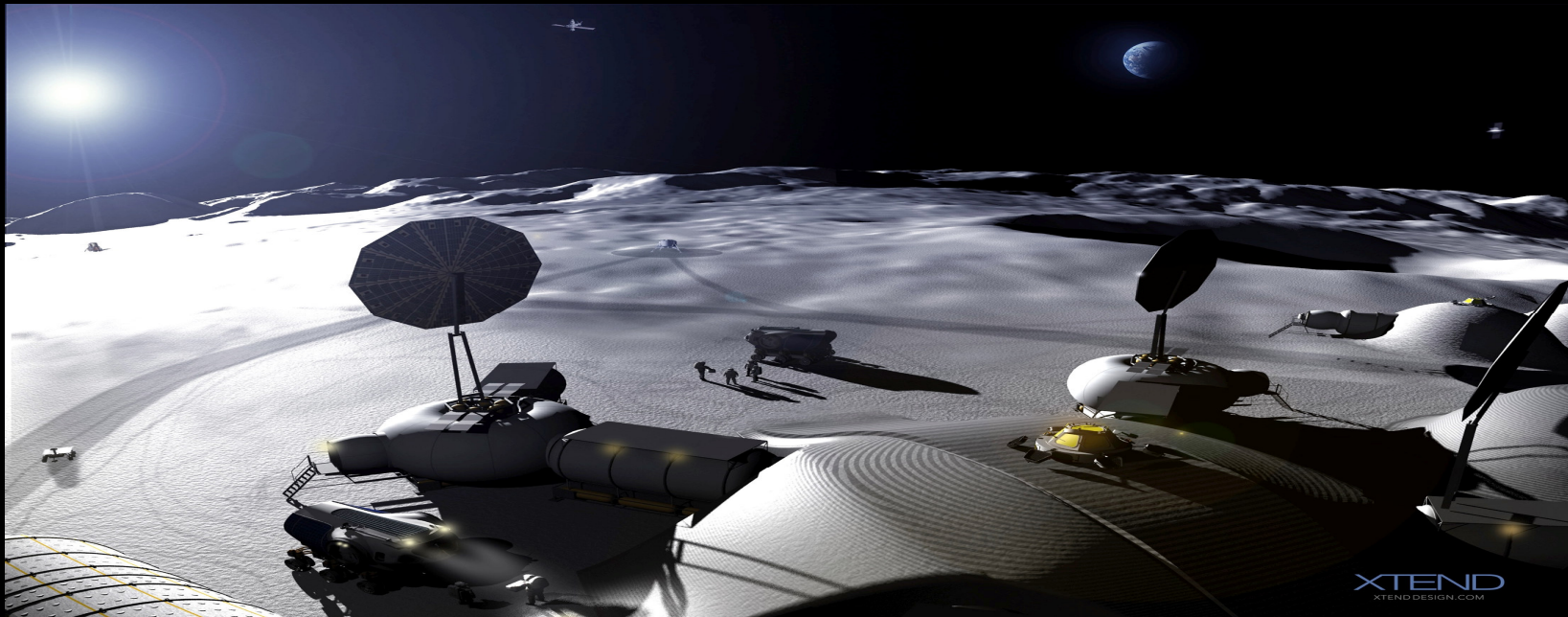
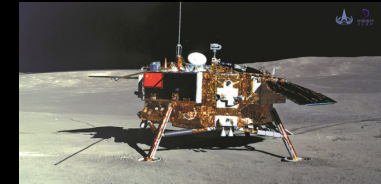
IS NOT ...

- An “ISS on the Moon”
- A literal village
- A single science facility

HOW TO IMPLEMENT THE MOON VILLAGE ?



- **Present:**
 - **Scouting missions**, on or around the Moon
- **Medium-term:**
 - **Key infrastructures** will be progressively built on the Moon surface or in lunar orbits with humans
- **Long Term:**
 - **Bases** will be built at optimal sites on various regions of the Moon, starting with small centers



WHAT IS THE MOON VILLAGE ASSOCIATION ?



The Moon Village Association (MVA) was created in June 2017, to foster the implementation of the Moon Village

A forum to advance development of the Moon Village involving Industry, government, space agencies, international organizations / NGOs, and the Public at large.

A catalyst stimulating a virtuous cycle of investments for the development of a lunar economy aiming to settle humankind on the Moon as well as cultural inspiration for future generations.

> 200 INDIVIDUAL MEMBERS
FROM 39 COUNTRIES



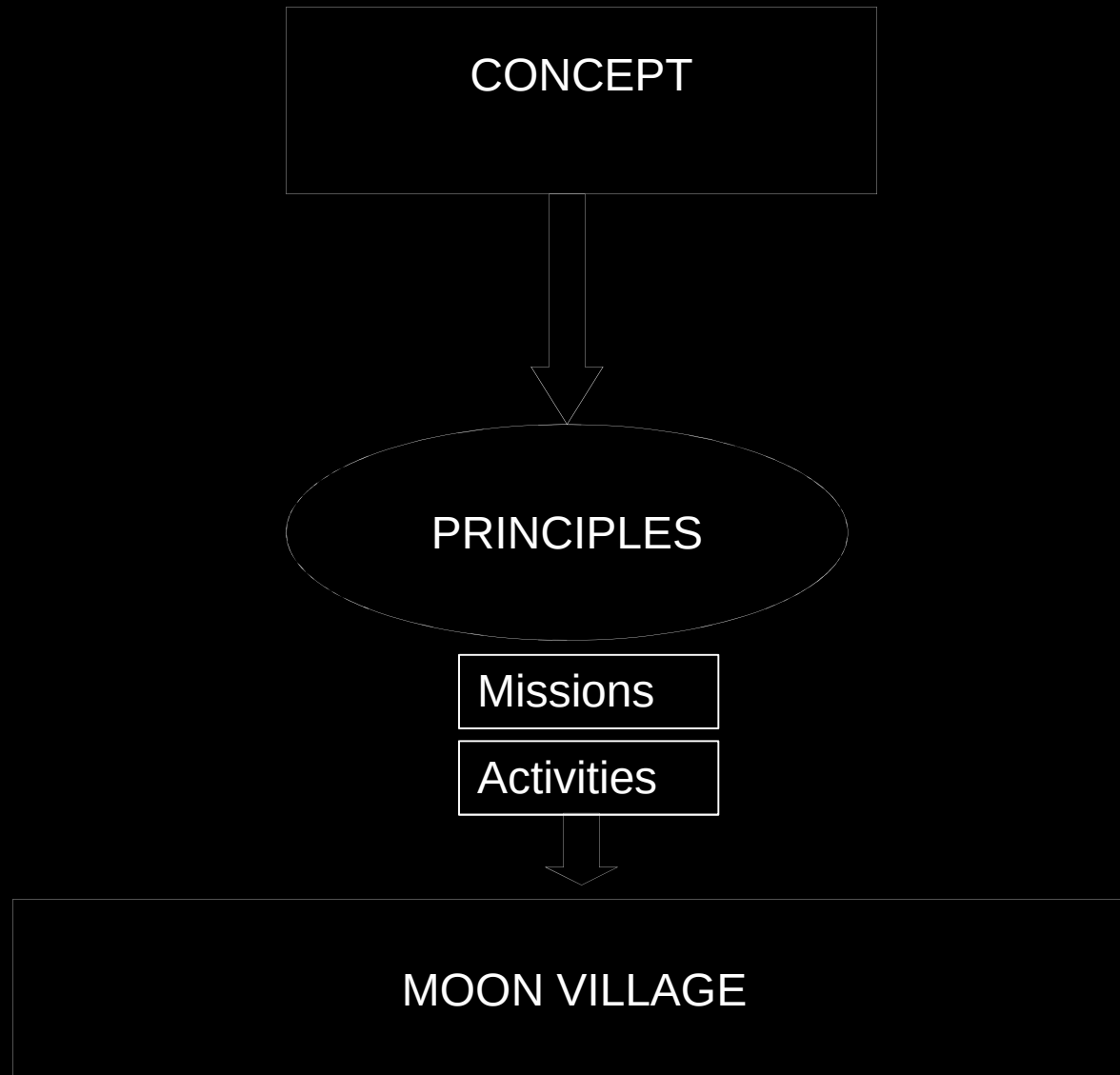
>26 INSTITUTIONAL
MEMBERS
FROM 10 COUNTRIES



MOON VILLAGE ASSOCIATION - FEATURES -

- NEUTRAL
- AUTONOMOUS
- GLOBAL
- INCLUSIVE
- COOPERATIVE
- NOT FORMAL
- CONSENSUS BUILDING
- PARTICIPATIVE
- UNIQUE PLATFORM

MOON VILLAGE ARCHITECTURE



MOON VILLAGE IMPLEMENTATION



- **Missions:** MVA awards each year “Moon Village Principles Mission Prize”
 - Missions are assessed in relation to compliance with the Principles
 - In 2019 so far, it was awarded to LRO (NASA), Chang’e-4 (CNSA)
 - **Activities:** MVA will soon release a “Call for Activities Proposals”
 - The goal is to engage MV stakeholders, from all the world, with possible cooperation between themselves since their activities will be uploaded on the website
 - **How:?**
 - Receive, from all over the world, description of activities completed or initiated
 - MVA will assess them with respect to the MV Principles
 - Upload selected on the MVA website
- > This will create a network
- > The call for activities will be on-going and it should reach increasing number of stakeholders

WORKING GROUPS



Architecture
Concepts
&
Considerations

Markets,
Missions
&
Economics

MOON
VILLAGE ASSOCIATION

Outreach/
Education

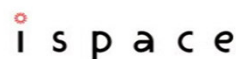
Coordination &
Cooperation

Cultural
Considerations



MOON MARKET

- **PROMOTION OF INSTITUTIONAL MEMBERS:**
 - MAKING THEM VISIBLE, INTERACTING AND CONNECTED TO THE MAJOR STAKEHOLDERS
 - ESTABLISHMENT OF MARKET BOARD ON THE WEBSITE FOR: GOODS AND SERVICES
- **FOSTER INVOLVEMENT OF NON-SPACE COMPANIES INTERESTED AND INVOLVED IN THE MOON MARKET**
- **SETTING UP COMPETITIONS**



GLOBAL NETWORK

Connecting Members



The Present Network is...

Now : China, Hungary, Cyprus, South America, South Korea ,North America, Italy, Russia, UK

Coming : India, Japan, the rest of the world...

The Network Provides...

Direct connections with the major local stakeholders worldwide, including space agencies, experts, companies, think tanks, venture capitalists etc

Regional/National Coordinators

Lead local MVA activities, including regional meetings, special events, and more...

OUTREACH



- MVA SOCIAL MEDIA
- WEBPAGE IMPROVED WITH REGULAR UPDATES
- MVA PUBLICATIONS, ARTICLES, INTERVIEW ON TV
- NEWSLETTER TO COME



- ANNUAL MVA AWARD



- ATTEND ANNUAL WORKSHOP AND REGIONAL EVENTS
- SUBMIT PROPOSAL TO HOST MVA EVENT
- PARTICIPATION OF COMPANY REPRESENTATIVES



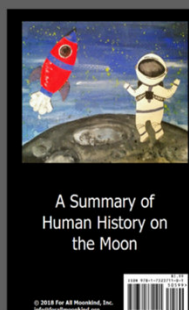
- COMMUNITY BUILDING
- COLLABORATE WITH INDUSTRIES, SPACE AGENCIES, PUBLIC AT LARGE ETC.
- GLOBAL MOON CONSULTATION



EDUCATION



- USE THE MOON AND CISLUNAR CONCEPTS AS A WAY TO INSPIRE KIDS TO GET THEM INTERESTED INTO STEAM
- WOMEN ON THE MOON INITIATIVE



- LIBRARY ON THE MOON VILLAGE ASSOCIATION'S WEBSITE

FOR ALL MOONKIND :
A SUMMARY OF
HUMAN HISTORY
ON THE MOON



- PROSPECTIVE PARTNERSHIPS
- EXAMPLES :
AIRBUS
FOUNDATION
DISCOVERY
SPACE, CYPRUS
SPACE
EXPLORATION
ORGANIZATION
(CSEO), ETC.



- CREATE A SEMINAR FOR PROFESSIONALS
- SPECIFICALLY TAILORED TO A COMMUNITY WHO WANTS TO BE INFORMED ABOUT THE LUNAR AND CIS-LUNAR ECONOMY



WOMEN ON THE MOON INITIATIVE



- MVA launched the initiative to promote international participation of women in the creation of the Moon Village. New Board member recruited
- Based Three Pillars:
 - **Outreach:** TED-like talks by MVA female members/cooperating partners
 - **Education:** Schools engagements (ei. Workshops, thematic lectures) to promote STEAM in cooperation with UN “Space for Women Project”
 - **Artistic:** Creative Competitions like:



GLOBAL MOON VILLAGE SURVEY



MVA is cooperating with:



- 2019 World Space Week theme is “The Moon: Gateway to the Stars”
- MVA is providing materials for supporting WSW events, all over the world, related to the theme
- At each event, a survey will be conducted to collect feedback from citizen
- MVA and WSWA will present the results of the First Global Moon Village Survey at UN/COPUOS in 2020

3rd International Moon Village Workshop & Symposium

5th–8th December 2019

Tokyo University of Science
Kyoto University

-> Registration is open



Co-hosted by:



Supported by:

Science Union for
Human Planetary
Habitation in Space
(SUHPHS)



www.moonvillageassociation.org





BACK UP CHARTS

MOON VILLAGE PRINCIPLES



Principle 1 : Adhere to **applicable International Rules and Agreements** dealing with human activities in space, such as the Outer Space Treaty of 1967 and others,⁴ and conduct peaceful activities with thoughtful consideration and respect for the cultural heritage of humanity on the Moon.

Principle 2 : Improve **Knowledge** of the lunar environment and its use for scientific research.

Principle 3 : Reduce the **Cost and Risk** of transport to and from Earth and the Moon, and within cis-Lunar space.

Principle 4 : Support the **Economic Development** of the lunar community.

Principle 5 : Employ or establish and document open-source engineering **Standards** of broad applicability and/or usefulness.

Principle 6 : Develop and build elements / systems that provide **Critical Services** for lunar missions and activities, such as navigation, communications, power, and resources.

Principle 7 : Develop and demonstrate **Technology** enabling cost-effective, reliable and safe robotic and human operations on the Moon's surface and surroundings.

Principle 8 : Make available sufficient **information** to allow global cooperation and engagement involving the general public in the expansion of human activities to, and eventual settlement of the Moon.

Principle 9 : Contribute **ethically to human society** in terms of Culture, the Arts, Education or other fundamentals.