

An introduction to OpenSpace

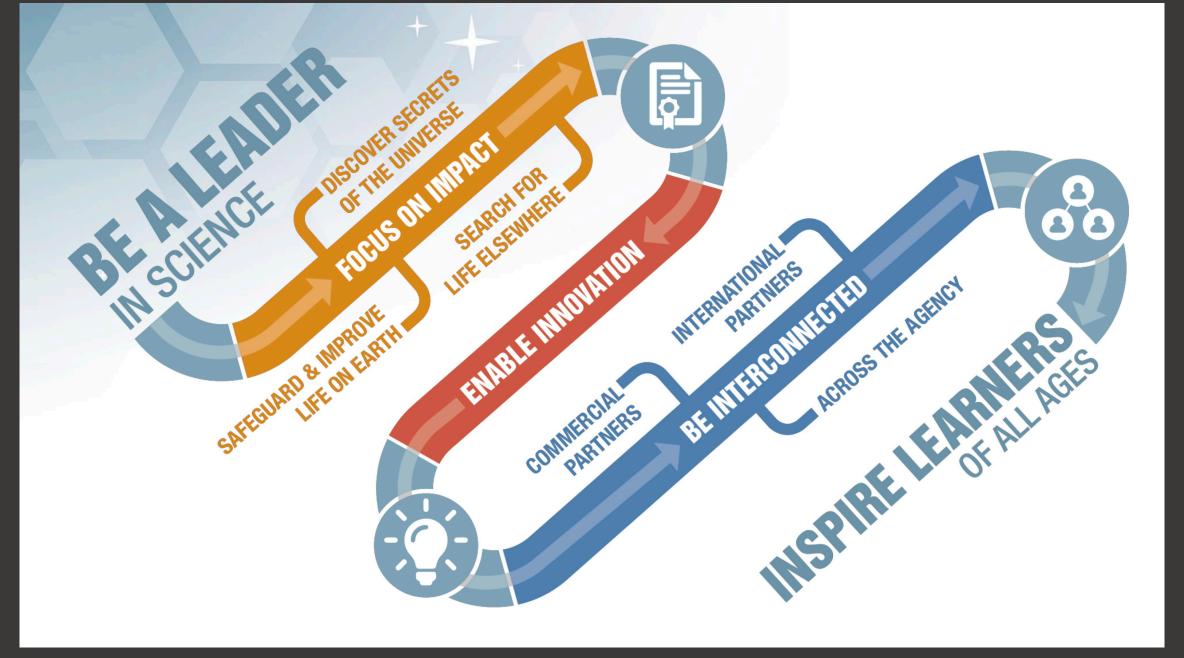
Ro Kinzler

American Museum of Natural History



The Science Mission Directorate (SMD) engages the Nation's science community to further enable NASA science experts and content into the learning environment more effectively and efficiently with learners of all ages.

Created in November 2016, this collaborative leverages over 200 partnerships through a network of 24 science and community-based institutions across the U.S.





An open source software for visualizing the universe, including NASA mission activities and science results, for use in informal science institutions (ISIs).



Open source

Free to download and use

Real data

Cutting-edge visualizations

Project partners



















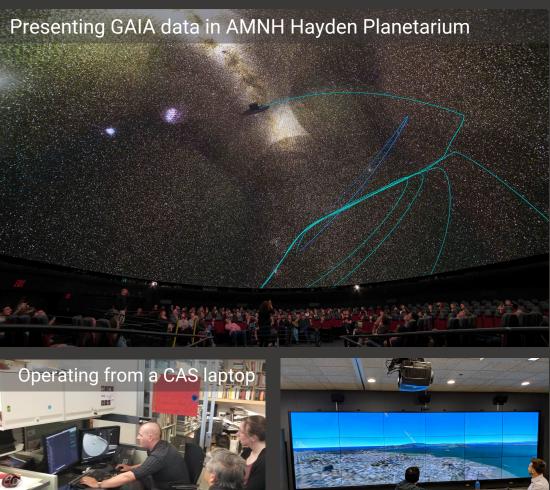


Domes, Theaters, Flat Screens, Touch Tables, VR Goggles...

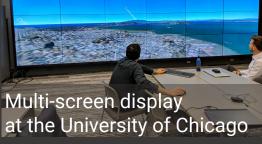










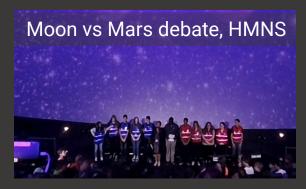




Apollo 11 Moon Landing 50th Anniversary

5,655 people

11 institutions













How will you use OpenSpace?



How to Present a Universe of Data Through OpenSpace

Association of Science-Technology Centers annual meeting, September 20, 2019

Workshop Schedule

9 am An introduction to OpenSpace

Ro Kinzler

9:15 am Set the universe free: OpenSpace in action

Carter Emmart
The Grand Tour

Rachel Smith

Astrobiology and the Search for Life Beyond Earth

Mark SubbaRao

Galaxy Zoo and Citizen Science

Q&A

10 am Getting started with OpenSpace

Micah Acinapura and Alex Bock

Install and launch

Interface

Flying

Digital Universe (DU) Content

Scenes: New Horizons, Rosetta, Gaia, Messenger, Insight

11 am Break

11:15 am Getting started with OpenSpace, continued

Scenes, continued

Globebrowsing: Earth, Moon, Mars

Customization: Colors, brightness, settings, etc.



How to Present a Universe of Data Through OpenSpace

Association of Science-Technology Centers annual meeting, September 20, 2019

12 pm Putting OpenSpace into use at your institution

Engaging high school interns Mark SubbaRao

Informal interactive opportunities, and videos for museums and teaching Rachel Smith

Live, interactive presentation tool
Carter Emmart

Discussion, questions, and sharing of ideas

Workshop Leaders

American Museum of Natural History

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North Carolina Museum of Natural Sciences

Rachel Smith, rachel.smith@naturalsciences.org

The Adler Planetarium & Astronomy Museum

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