



IAU Inter-Commission B2-C1-C2 WG

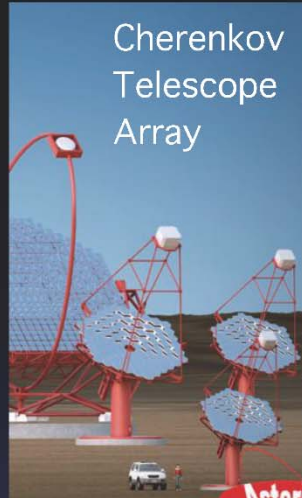
Data Driven Astronomy Education and Public Outreach

Chenzhou CUI
China-VO

LSST



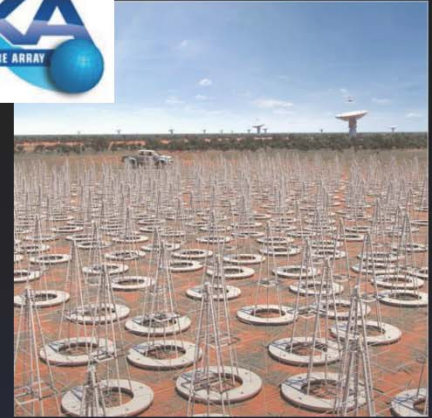
Large Synoptic Survey



Cherenkov Telescope Array

Asterics

SKA
SQUARE KILOMETRE ARRAY



Square Kilometre Array

FAST



Five-hundred-meter Aperture Spherical Telescope (FAST)

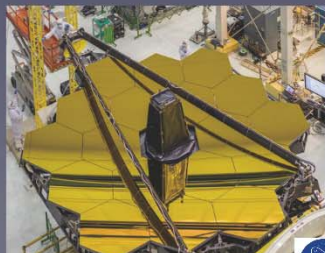
IVOA

FOCUS SESSIONS 2016



ASKAP

CSIRO



JWST



Gaia & Euclid

esa



European Gravitational Observatory, EGO/VIRGO

Asterics

Courtesy of Mark Allen

X@HOME Projects



- Crowd Computing
- but not citizen science

Zooniverse



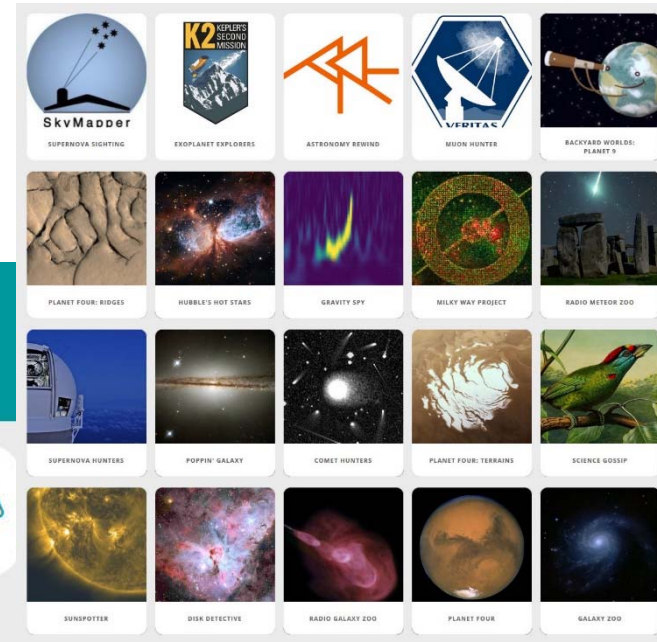
Projects

Active Paused Finished

All Disciplines Arts Biology Climate History Language

Most Recently Launched x

Showing 1-20 of 64 projects found.



Data to Dome


- **IPS Data to Dome** is an initiative or project of the IPS [Science Data & Visualization Task Force](#) to make it easier to visualize scientific data in a planetarium. "*Data to Dome*" as a broad IPS led initiative should not be confused with "data2dome" which refers to the ESO led data standard that we consider a part of the larger *Data to Dome* vision.
- **ESO D2D ([Data2Dome](#))** is an effort of the European Southern Observatory (ESO). It uses a content distribution and publishing standard aimed at bringing astronomy data seamlessly into planetarium systems real-time. This is an excellent example of project that can support the IPS Data to Dome effort.



China-VO PSP



Worldwide Telescope (WWT)



WorldWide Telescope Learn Interact Develop Communities

OpenWWT
WWT Stories

Microsoft is Open-Sourcing WorldWide Telescope in 2015

Last updated March 14, 2015 (Pi Day!)

Why is this great news



AMERICAN ASTRONOMICAL SOCIETY

Enhancing and sharing humanity's scientific understanding of the universe since 1899.

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PRESS RELEASES

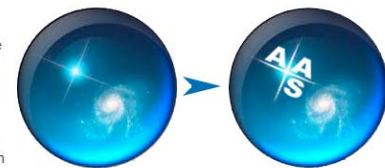
US Astronomers Discuss Importance of Federal

AAS Assumes Leadership of WorldWide Telescope

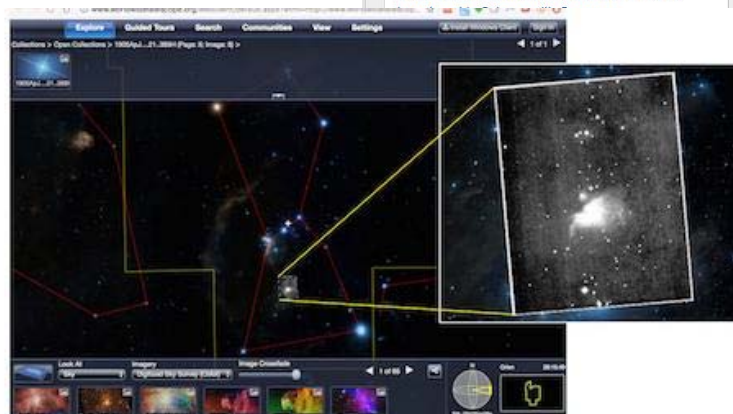
19 Jan 2016

Microsoft's WorldWide Telescope (WWT) astronomy software has a new institutional home: the American Astronomical Society (AAS). This follows a vote by the society's governing board at the 227th AAS meeting in Kissimmee, Florida, earlier this month.

WWT is a scriptable and interactive "universe information system" for exploring the multIWavelength sky. It allows users to retrieve and share data using an interface that resembles either the sky as seen from



THE ORION NEBULA
Photographed with Digitalsky of the Orion Nebula, M42, and 019



WWT @ China-VO



IAU EPO Related Bodies

- Divisions

- Division C Education, Outreach and Heritage
- Division B Facilities, Technologies and Data Science

- Commissions

- C1 Astronomy Education and Development
- C2 Communicating Astronomy with the Public

- Offices

- Office for Astronomy Outreach
- Office of Astronomy for Development

- WGs

- C1:Network for Astronomy School Education (NASE)
- C1:Theory and Methods in Astronomy Education
- C2:Public Outreach Information Management
- B2-C1-C2:Data Driven Astronomy Education and Public Outreach (DAEPO)

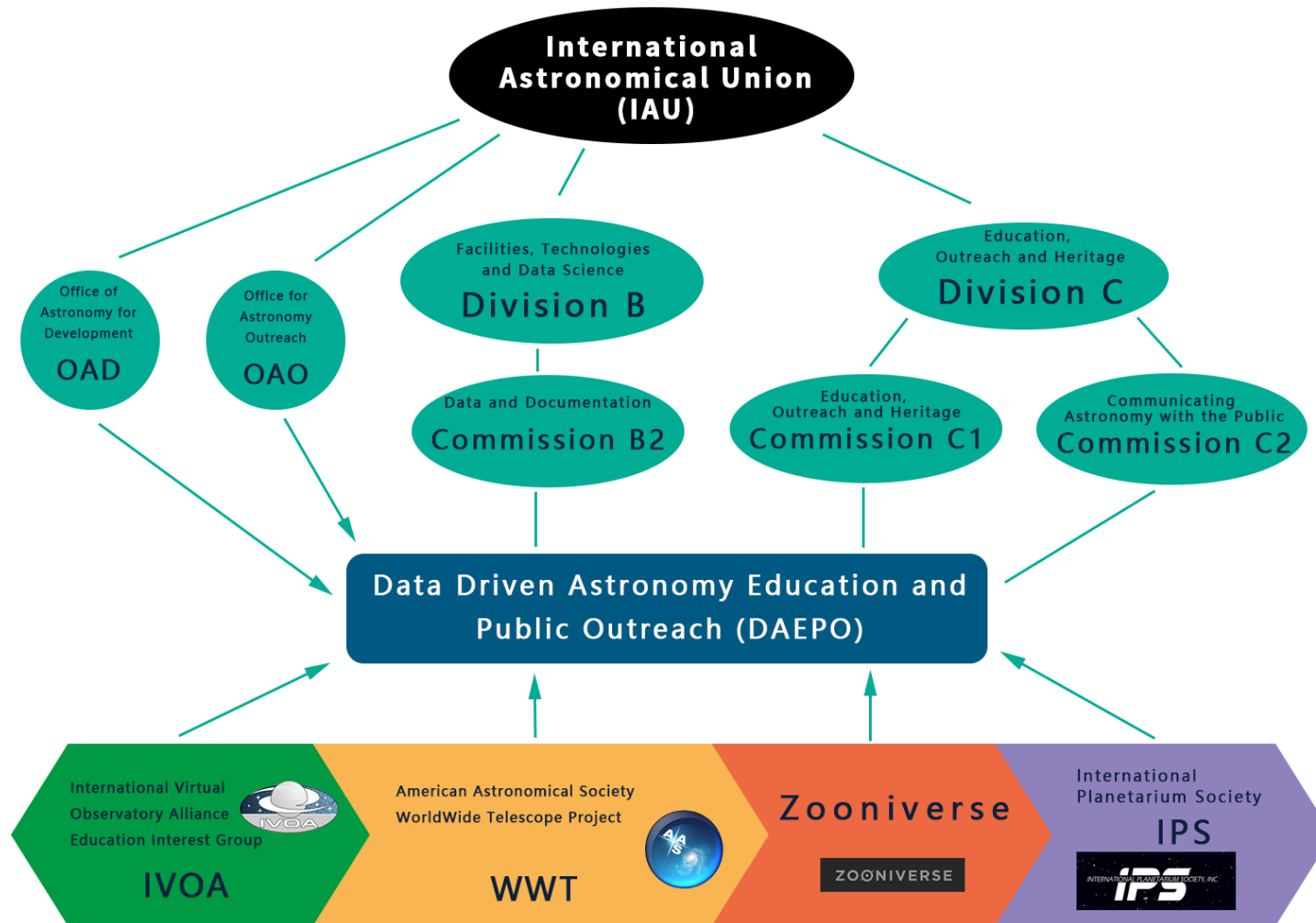


WG Objectives

- Act as a forum to discuss the value of astronomy data in EPO, the advantages and benefits of data driven EPO, and the challenges facing to data driven EPO.
- Provide guidelines, curriculums, data resources, tools, and e-infrastructure for data driven EPO.
- Provide best practices of data driven EPO.



DAEPO Ecosystem



China-VO

Who is involved?

Name	Gender	Title	Country	Institute and Position
Sudhanshu Barway	Male	Dr.	South Africa	SAAO, SA Virtual Observatory
Amanda Bauer	Female	Dr.	Australia	Large Synoptic Survey Telescope (LSST), Head of EPO
Sze-leung Cheung	Male	Dr.	Japan	IAU Office for Astronomy Outreach, NAOJ
Chenzhou Cui (Chair)	Male	Dr.	China	NAOC, PI of China-VO
Karen O'Flaherty	Female	Dr.	Netherlands	Chief Editor, Communication, Outreach and Education Group, Science Directorate, ESA.
Beatriz Garcia	Male	Dr.	Argentina	President of IAU Commission C1 Astronomy Education and Development
Kevin Govender	Male	Mr.	South Africa	IAU Office of Astronomy for Development, SAAO
Arna Karick	Female	Dr.	Australia	N/A (Formerly at Swinburne University: e-Research Consultant)
Shanshan Li	Female	Ms.	China	China-VO WWT lead
Chris J. Lintott	Male	Dr.	United Kingdom	Zooniverse PI, University of Oxford
Vanessa McBride	Female	Dr.	South Africa	IAU OAD & University of Cape Town
Zhixin Peng	Male	Dr.	China	Nanjing University, Astronomy education
Cuilan Qiao	Female	Dr.	China	Central China Normal University, China-VO EPO Lead
Jordan Raddick	Male	Mr.	US	Education Director, Institute for Data-Intensive Engineering and Science, JHU
Pedro Russo	Male	Dr.	Netherlands	President of IAU Commission C2 Communicating Astronomy with the Public
Mark SubbaRao	Male	Dr.	US	Adler Planetarium, President-Elect of the International Planetarium Society (IPS)

Working Plans

- Enhance the visibility of the WG at various events
 - The International Symposium on Education in Astronomy and Astrobiology (ISE2A), July 3-7, 2017 – Utrecht, the Netherlands
 - IVOA Interoperability Meeting
 - ADASS conference
 - IAU GA
- The concept of “DAEPO” need to be propagandized though newsletters, news reports, website portals, and various public media in different countries and in different languages.
- To provide guidelines for DAEPO, a call for best practices will be send to the global community in the coming months.



DAEPO @ China Media



中国新闻网 新闻中心 首页 > 新闻中心 > 本网独家

中国科学家首任国际天文学联合会 (IAU) 工作组主席

发布时间: 2017-04-12 18:33:59 | 来源: 中国新闻网 | 作者: 辛闻



独家推荐 1/3 <>



内蒙古边检站查获走私马板肠120公斤

5月14日, 内蒙古边检总队二连边检检查站查获一起利用车体轮胎走私动物内脏案, 共查获走私马板肠120公斤。



IAU成立天文科普工作组 中国科学家担任主席

2017-04-12 14:20 来源: 光明网

光明网4月12日电 (记者宋雅娟) 记者从国家天文台获悉, 世界天文学权威机构国际天文学联合会 (International Astronomical Union, 简称IAU) 成立了“数据驱动的天文科普教育”工作组, 由中国国家天文台崔辰宇博士发起并担任主席。国际天文学联合会现有50多个工作组中, 这是唯一一个由我国天文学家出任主席的工作组。



WeChat News and Feedbacks

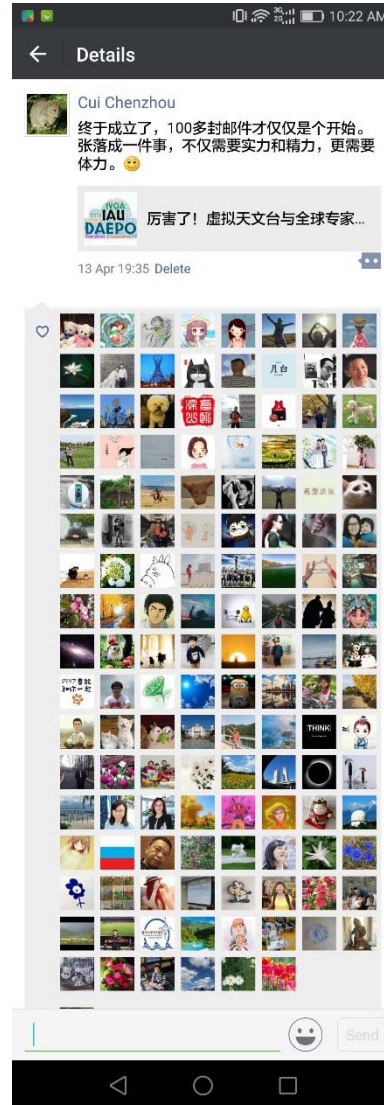


厉害了！虚拟天文台与全球专家共谋科普教育发展

(Original) 2017-04-13 崔辰州 虚拟天文台



近日 国际天文学联合会（简称 IAU）跨委员会联合工作组 **数据驱动的天文学科普教育（Data Driven Astronomy Education and Public Outreach, DAEP0）** 工作组（以下简称“工作组”）完成组建并通



Thank You!

China-VO
WeChat



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