



IVOA EduIG and Media Session

closing

IVOA EduIG & Media Group

EduIG and Media Group (Thursday, May 31 11:00-12:30, Spirit CD)

Speaker	Title	Time	Material
Chenzhou Cui	Introduction	5'	pptx
Giulia lafrate	Citizen science experiments in the classroom, in the framework of the Asterics project	12' + 3'	pdf
Deborah Baines	Teaching Astronomy with ESASky	12' + 3'	pdf
Deborah Baines	Summary of Media Group activities	12' + 3'	pdf
Shanshan Li	Experiences and lessons learned from China-VO in public communication by social media	12' + 3'	pdf
Chenzhou Cui	One decade of the WWT EPO applications in China	12' + 3'	pdf
All	IVOA EPO and Public Communications	remaining time	





Citizen Science in the classroom: problems and requirements

GIULIA IAFRATE

INAF - Astronomical Observatory of Trieste

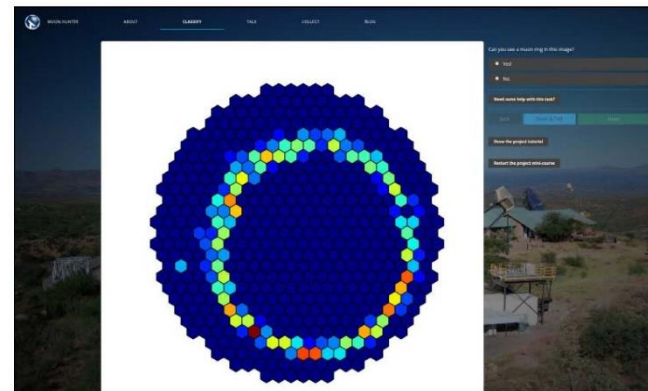
May 31, 2018

Giulia Iafate - IVOA Interop meeting Victoria BC

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Muon hunter CS experiment



May 31, 2018

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CS @school: the Galilei experience

- 4 students of the last year (17-18 yr old)
- one afternoon (4hr) during the whole school yr
- first part of the program:
 - selected lectures on basic astronomy
 - familiarize with VO tools and measures in astronomy
- second part of the program:
 - Muon hunting

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CS @school: problems

- schools need long lasting projects
- teacher's lack of experience in science
- experiment theme too difficult
- english is not enough

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Teaching Astronomy with ESASky

Deborah Baines
ESAC Science Data Centre (ESDC), European Space Agency

On behalf of the ESASky and CESAR Science Cases teams: Belén López Martí, Bruno Merín, Fabrizio Giordano, Elena Racero, Ricardo Vallés, Henrik Norman, Pilar de Teodoro, Jesús Salgado, Guido de Marchi; Beatriz González, Rebecca Barnes, Ángel del Pino

31st May 2018




The CESAR Initiative

Cooperation through Education in Science and Astronomy Research

➤ Offers the following activities to schools and teachers:



Space Science Experience
for schools



Online
Science
Cases




CESAR Telescopes




Teacher training

<http://cesar.esa.int>





ESASky Science Cases


➤ Learning Astronomy through exploration and discovery



Exploring the ISM




The Secrets of Galaxies



The Colours of Astronomy
(coming soon)

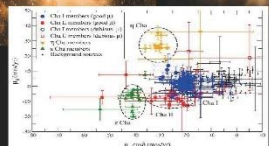
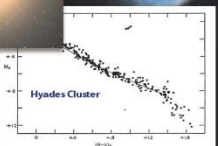
<https://www.cosmos.esa.int/web/esdc/esasky-for-education>



ESASky Science Cases

➤ More to come...

- Lives of stars (stellar evolution)
- Birds of a feather (identifying members of a stellar cluster)
- Looking at the edge of time (galaxy clusters)
- ...

IVOA Media Group Activities

Deborah Baines, Bruce Berriman,
Jamie Budynkiewicz, Theresa Dower,
Giulia Iafrate, Shanshan Li,
Simon O'Toole, Yihan Tao

IVOA Media Group

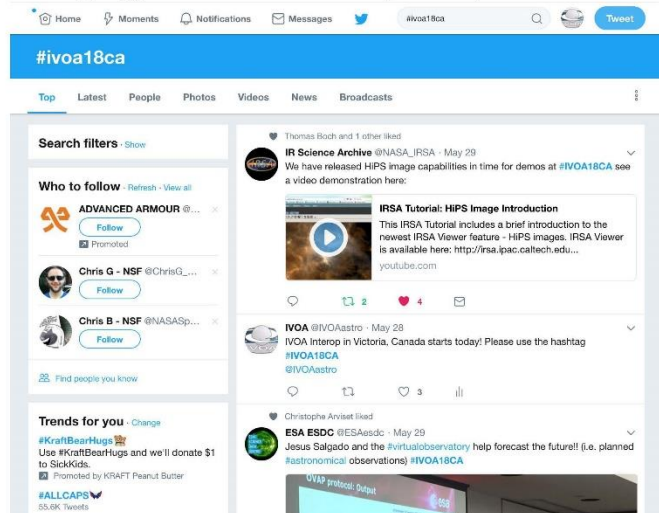
Main areas of the group with the following people taking the lead in each area:

- IVOA Newsletter (Debbie Baines)
- Web Pages (Jamie Budynkiewicz)
- Social Media (Simon O'Toole)
- Outreach (Bruce Berriman)



Social Media

- Hashtag agreed on Monday and posted on twitter



Summary

Where you can help:

- Newsletter articles
- Your own social media posts – spread the message about the VO and IVOA! @IVOAAstro
- Contact us with any ideas, social media posts from the IVOA accounts, etc: media@ivoa.net
- New members welcome!!!



Experiences and lessons learned from China-VO in public communication by social media

Shanshan Li
2018.5.31

China-VO Work - WeChat

- In China, the social media world is a little different from other countries.
- We don't use: Facebook, Twitter, Instagram, etc..
- We have: Weibo, WeChat, etc..
- We choose: **WeChat**

Viewer groups

GROUP	Enthusiasm on social media	Tend to share	Number of
General public	Change with time and topic	Yes, but it's a hot topic or related to a hot topic	Everyone on
Educator	Yes	Yes	Small (potenti
Public who interested in astronomy	Yes	Very much	Large
Amateur astronomer	Very much	Very much	Medium
Professional astronomer	If interested or related to	If interested or related to	Small (about 3000)

EXAMPLE

Article shared to a big astronomy chatting group by astronomy student



➤ Messaging

➤ Official accounts: push feeds to and interact with subscribers



GAIA dr2 data, welcome to China

Ms. Lin:
Here is GAIA data for Chinese user.

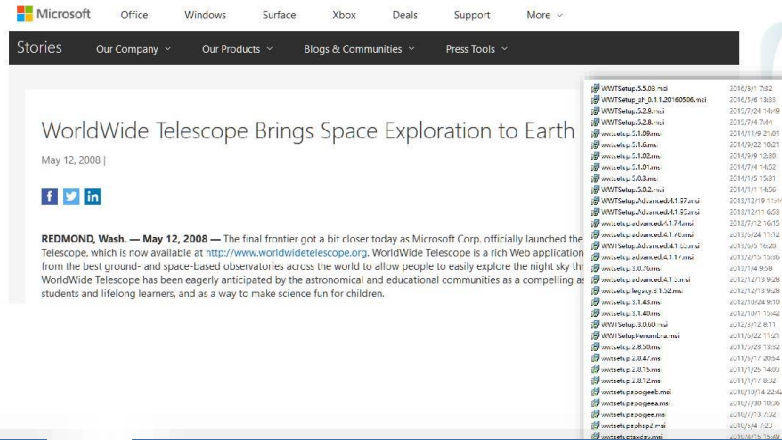




One decade of the WWT EPO applications in China

Chenzhou CUI
Chinese Virtual Observatory
National Astronomical Observatory of China

WWT released on May 12, 2008



WWT Planetarium Alliances



Chongqing - Beijing - Guangzhou - Beijing - Hebei - Guizhou - Hubei - Shanghai.....



Further developments and plans from the China-VO

- China-VO WWT Personal Version
 - Released on Feb. 08, 2018
- China-VO WWT Enterprise Version
 - Under development
- WWT Ecosystem
 - WWTstore, ...
- HiPS Interface, and Multi-messenger astronomy data support



Discussion Topics

- From loose Interest Group to close collaborations
 - Now, mainly contributed from Chair and Vice Chair
 - We hope to be crowd efforts
- Improve the visibility of IVOA and VO projects in both astronomers and the general public
 - VO training for developers at the Washington ADASS by Hendrik Heinl
 - Press releases by public and social medias (together with Media group)
 - Revamping IVOA website for the general astronomer (Media group)
- Better contributions to big events and initiates
 - IAU GA booth
 - UN Open Universe
 - AAS meetings



EduIG & Media

