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*Space Weather Workshop
April 10, 2014, Boulder Co*

New International Space Environment Service (ISES) Website & Forecaster Discussion Tools

Sunhak Hong¹, Ki-Chang Yoon¹, Terry Onsager^{2,3}

¹*RRA Korean Space Weather Center (RWC Korea),*

²*NOAA Space Weather Prediction Center (RWC USA),*

³*International Space Environment Service*



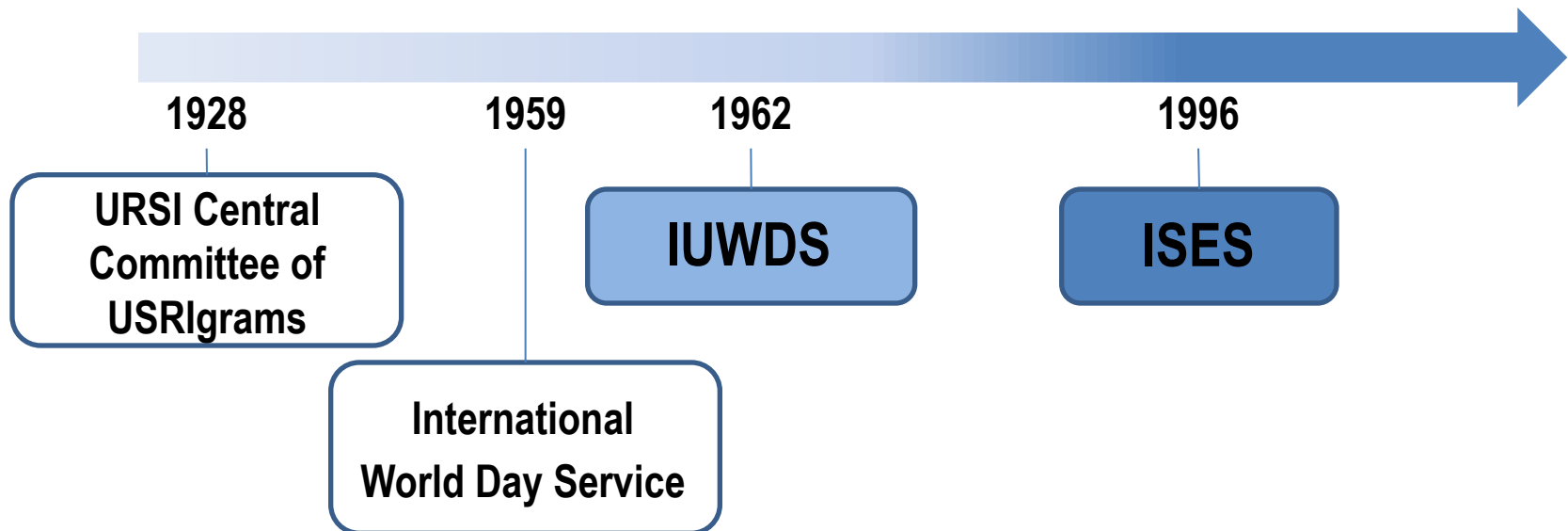
Outline

- Introducing ISES
- Overview on New ISES Website
- Forecaster Discussion Tools
 - Latest Forecasts
 - SWx Discussion
 - Enlil Discussion



What is International Space Environment Service (ISES)?

- A collaborative network of SWx service-providing organizations around the globe (since 1962)
 - It's former name was International URSIgram and World Days Service (IUWDS).





ISES Network



- 15 Regional Warning Centers (RWC)
- 4 Associate Warning Centers (AWC)
- 1 Collaborative Expert Center (CEC)



Membership

- Regional Warning Centers (RWCs)
 - Responsible for coordination, the primary distribution sites for SWx products & services
 - [Must have the endorsement by national governments as SWx providers](#)

- Associate Warning Centers (AWCs)
 - Fulfill many of the same functions as RWCs
 - Must be affiliated with an existing RWC

- Collaborative Expert Centers (CECs)
 - Have a demonstrated expertise in SWx and conduct SWx service activities



Who is who?



Regional Warning Centers:

Title	Host Institution	Location
RWC Australia	IPS Radio and Space Services	Sydney
RWC Austria	University of Graz, Austria	Treffen
RWC Belgium	Royal Observatory of Belgium	Brussels
RWC Brazil	National Institute for Space Research	São José dos Campos
RWC Canada	Natural Resources Canada	Ottawa
RWC China	Beijing Astronomical Observatory	Beijing
RWC Czech Republic	Institute of Atmospheric Physics	Prague
RWC India	National Physical Laboratory	New Delhi
RWC Japan	National Institute of Information and Communications Technology	Tokyo
RWC Korea	Korean Space Weather Center	Jeju
RWC Poland	Space Research Centre	Warsaw
RWC Russia	Hydrometeorological Service, Institute of Applied Geophysics	Moscow
RWC South Africa	Space Weather Prediction Center	Hermanus
RWC Sweden	Lund Space Weather Center	Lund
RWC USA	Space Weather Prediction Center	Boulder



Who is who?



Associate Warning Centers:

Title	Host Institution	Location
AWC France	Collecte Localisation Satellites	Toulouse
AWC China - National Space Science Center	National Space Science Center - China Academy of Sciences	Beijing
AWC China - Ionospheric Disturbance Prediction Center	Ionospheric Disturbance Prediction Center	Beijing
AWC China - Geomagnetic Storm Prediction Center	Geomagnetic Storm Prediction Center	Beijing

Collaborative Expert Centers:

Title	Host Institution	Location
CEC ESA	European Space Agency	Noordwijk



ISES-WMO Collaboration



- ISES members are integrated with the WMO Inter-Programme Coordination Team on Space Weather
- A pilot project is underway to use the WMO Information System for space weather products
- Space weather service provision for civil aviation is being addressed with ICAO
- Extreme event response is under discussion



2013 ISES Meeting and Panel Discussion on International Coordination on Extreme Events



Project of New ISES Website

- July, 2012 - ISES annual meeting
 - The issue of updating the ISES website was discussed. (RWC Canada will discontinue the previous website in one year.)
- October, 2012
 - RWC Korea volunteered for developing and hosting the new ISES website.
- April, 2013 - ISES annual meeting
 - New website designs and the ideas for new functionality was reviewed.
- July 1st, 2013
 - Beta Version Released
- August 1st, 2013
 - Official Launch!



Quick Look at ISES Website

<http://www.spaceweather.org>

<http://www.ises-spaceweather.org>

[Info >](#)[News](#)[Reports](#)[GEO-Calendar](#)[Links](#)[Print This Page](#)

Reports

Annual Report

[Year 2013 Annual Report](#)[Year 2011 Annual Report](#)[Year 2010 Annual Report](#)[Year 2009 Annual Report](#)[Year 2008 Annual Report](#)

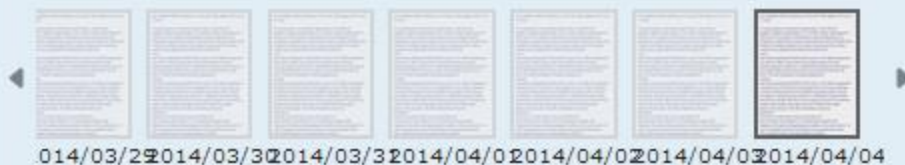
[Discussions >](#)[Latest Forecasts](#)[Space
Discussions](#)[Enlil Discussions](#) [Print This Page](#)

Latest Forecasts

SIDC (Belgium)

FAST WARNING 'PRESTO' MESSAGE from the SIDC (RWC-Belgium) 2014 Apr 04
15:11:36

NOAA AR 2027 produced an impulsive C8.3 flare on April 04th, peaking at 1348UT. It was accompanied by a type II radio burst and an EUV coronal wave propagating mostly northward of the erupting site. All these signatures hint at a CME, possibly partially halo. More information will be provided as coronagraphic observations become available.

[Australia](#)

©ISES Regional Warning Centers

If you want to post your forecasting services on this portal, contact [Webmaster](#).

Space Weather Discussions

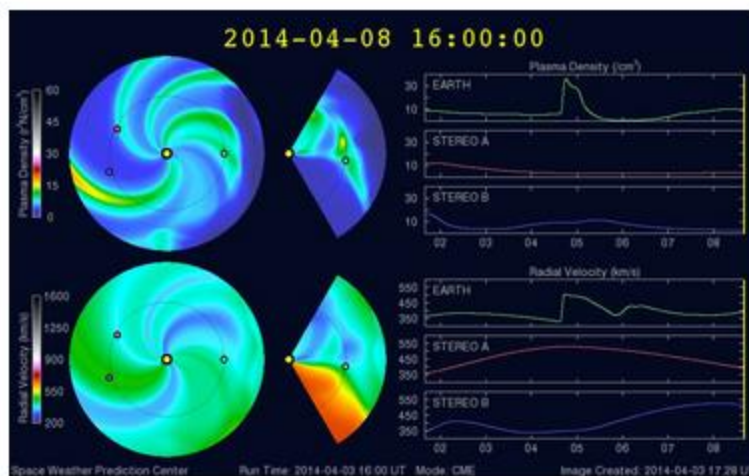
- Forecast office discussion and coordination are challenges. Especially, in preparation for extreme events.
- This is an important task for ISES.

[Discussions >](#)
[Latest Forecasts](#)
[Space Weather Discussions](#)
[Enlil Discussions](#)

Enlil Discussion

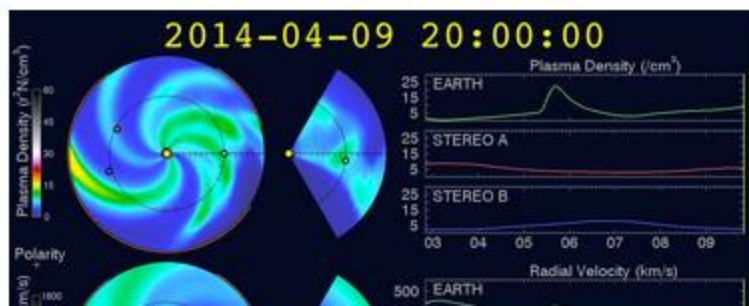
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SWPC (USA)



For more information, please visit [SWPC website](#).

KSWC (Republic of Korea)





Summary

- ISES community is strong and growing.
- New ISES website gives help in sharing information and in making coordinated forecast among ISES RWCs.
- We developed Forecaster Discussion Tools. Now we need to establish procedures to use them effectively.



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Thank you.

sunhak.hong@korea.kr