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COMMISSION FOR AERONAUTICAL METEOROLOGY

INTER-PROGRAMME COORDINATION TEAM ON SPACE WEATHER

ITEM: 5

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## **THE WMO SPACE WEATHER PRODUCT PORTAL**

### **Review Report : Notes and Recommendations**

*(Submitted by L. Trichtchenko)*

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#### **Summary**

Action was taken by several ICTSW Members to have the Space Weather Product Portal reviewed internally within their organization and to provide a report. Here is the report provided by Larisa Trichtchenko.

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#### **ACTION PROPOSED**

The Inter-Programme Coordination Team is invited to note the comments and the recommendations provided.

# SPACE WEATHER PRODUCT PORTAL REVIEW REPORT

## Notes and Recommendations

Comments on the main page : [http://www.wmo.int/pages/prog/sat/spaceweather-productportal\\_en.php](http://www.wmo.int/pages/prog/sat/spaceweather-productportal_en.php) and related local pages.

### **Search by Organization:**

Most of sites presented as additional window (which is most convenient), except:

1. Institute of Applied Geophysics (Russia)
2. [Radio Research Agency \(R. Korea\)](#)
3. [Solar Influences Data Analysis Center, ROB \(Belgium\)](#)

### **Recommendation:**

- **if possible, all links should be opened as an additional window.**

### **Search by Product Category**

- **Ionospheric**

### **HF communication - HF communication Products**

1)Source (different countries) and 2)Product collection: under product collection there is one more time **HF communication products**

### **Recommendations**

- **Keep “source” (i.e. country) as the only choice, as this is HF communication products from the very first level.**
- **Links to particular services provided by SW Centres should be opened as additional window.**
- **Add existing HF services provided by other ISES members running by governmental bodies, such as RWC Warsaw <http://rwc.cbk.waw.pl/index.html>**
- **RWC Warsaw has expressed their wish to be displayed.**
- **Perhaps, also RWC India (did not discuss yet): ([HTTP://www.npl-cdc.ernet.in/atul/cdc/rwc/INTRODUCTION4\\_BuIn.htm](http://www.npl-cdc.ernet.in/atul/cdc/rwc/INTRODUCTION4_BuIn.htm) )**

### **Ionospheric – TEC**

Bath University service does not follow the common requirements of having similar organized first page. On November 1<sup>st</sup>, this site was not working, no links, nothing displayed (see Fig. below).

Besides, Bath University is neither ISES regional Centre, nor part of WMO, why this is the only European representative?



## Recommendations

- **Replace Bath University Service by a legitimate governmental organization (s), such as RWC Poland, for example**

## • Geomagnetic

### Auroral Activity

Auroral activity is activity in the low ionosphere, so strictly speaking it is not geomagnetic.

The FMI web-page : FMI product does not have first page as has been defined, instead it displays what FMI is doing.

Australian auroral product: it is for southern hemisphere, so southern auroral oval is displayed only.

### Recommendation

- **To define FMI service as aurora in Finland and correct the first page.**
- **To describe Australian auroral product clearly as auroral oval position in southern hemisphere.**
- **To ask Canadian Space Weather Forecast Centre (CSWFC) and collaborating university to organize the continuous display of auroral oval for Northern hemisphere (already exists, but not as operational service, see [https://cssdp.ca/ssdp/app/static/related\\_projects/rt\\_oval.html](https://cssdp.ca/ssdp/app/static/related_projects/rt_oval.html) ) and CSWFC to provide necessary details on cadence etc.**

### Geomagnetic Activity

#### Recommendations:

- **Canadian Space Weather Forecast Centre to abbreviate CSWFC (Canada).**
- **CSWFC Link to: Geomagnetic Activity Canada (in French) write in French.**
- **Link: Geomagnetic Activity, add Canada.**
- **Ling: NICT (Japan) Add ..."ic" after geomagnet**

## • Energetic Particles

### Solar energetic Particles

IAG (Russia)- no front page exists

Recommendation:

- Add front page according to the common look.

### Magnetospheric Particles

Recommendations:

- Add front page to IAG, Russia,
- Define that these are electrons and protons.
- Abbreviate Canadian Space Weather Forecast Centre,
- Define that product is electron fluence forecast at geostationary orbit.
- “.....In French” should be written in French
- Define that SWPC product is also electron fluence at geostationary orbit

## • Solar and interplanetary

### Solar activity

Recommendations:

- Whenever there is also a forecast, it should be named as solar activity and forecast.

### Solar Wind:

Recommendations:

- Because links to WSA-ENLIL models do not work at the time of writing, explanatory web page should be provided when links are not in order.

### Solar Cycle:

Recommendation:

- Source is not NOAA, as it said on the plot that it is ISES. Correct.
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