





PRediction Of Geospace Radiation Environment and Solar wind parameterS

Project Overview



Overview



- Status
- Deliverables/Milestones
- Dissemination
- Risks
- Amendment to DoA



Status summary



3rd Review Meeting (2017-01-01 to 2017-12-05)

Deviations from work plan

- A 7 month extension was requested and granted to enable GFZ to continue the work started by SIST.
- Deliverable submission dates for tasks involving GFZ were adjusted

Ethical issues

- No ethical issues were identified
- No ethical issues are expected to arise during the next reporting period

IPR

No IPR issues have been raised.



Status summary



3rd Review Meeting (2017-01-01 to 2017-12-05)

Use of resources

There have been no changes in the planned use of project resources

Dissemination/exploitation

- Project members have or are in the process of publishing 12 papers in peer reviewed scientific journals in the current reporting period (project total 33)
- 15 presentations at conferences/workshops (including summer school) have been made (total 81 – list incomplete)

Deliverables

All deliveries made on time

Risks

No new risks were encountered



Deliverables list (new)



- New deliverables submitted according to schedule in GA
- All deliverables available from
 - EC participant portal
 - Project web site (project only section)

	Title	Due	Delivered
D1.2	Minutes of second stakeholder meeting	2017-02-28	2017-02-28
D6.2	Incorporation of data assimilation into VERB	2017-02-28	2017-02-16
D3.5	AE Models	2017-06-30	2017-07-03
D7.1	Forecast results	2017-10-31	2017-10-31



Deliverables due soon



D2.3 Full user and developer documentation

Participants: UW, UM, USFD Due: Dec, 2017 (Month 36)

D3.6 TN on real-time implementation

Participants: IRF, USFD, SRI Due: Dec, 2017 (Month 36)

D5.4 Trial version of forecast model for low energy electrons.

Participants: FMI, USFD, UW, UM, IRF

Due: Dec, 2017 (Month 36)

D5.3 Report on VERB-IMPTAM low energy seed population provided to VERB radiation belts model

Participants: FMI, GFZ

Due: Jan, 2018 (Month 37)

D7.3 Forecasts of the energetic electron populations along a user selected satellite orbit

Participants: USFD, GFZ, FMI

Due: Jan, 2018 (Month 37)



Milestones



#	Title	WP	Due	Completed
MS1	NARMAX models for electrons at GEO	WP 6	M6	100% - Results available on web
MS2	Availability of models for Kp, Dst, and AE	WP 3	M18	75% Model results available on web
MS3	Statistical wave models	WP 4	M24	90% - Models on request
MS4	Fusion of VERB and IMPTAM	WP 5	M24	On going
MS5	Availability of AWSoM/ SWIFT for testing within the consortium.	WP 2	M20	100% - Models are available on request
MS6	Fusion of NARMAX and VERB	WP 6	M30	On going



Dissemination



There have been 10 papers published in high impact, peer-reviewed journals

J. Geophysical Research (Space Physics), Astrophysical Journal, and Journal of Space Weather and Space Climate.

2 Papers currently accepted

This brings the total number of journal publications to 33.

Papers are listed on the project web site https://ssg.group.shef.ac.uk/progress/html/dissemination.phtml together with a link to publishers web site.



Dissemination



There have also been a number of oral/poster presentations at scientific conferences.

EGU General Assembly, Vienna, Austria, 24-28 April 2017

14th European Space Weather Week, Oostende, Belgium, 27 Nov-1 Dec, 2017

Other conferences/workshops attended are as follows:

17th Ukrainian Conference on Space Research, Odessa, Ukraine, 21-25 August, 2017

A total of 81 presentations are currently listed (the list on the web site is incomplete).

PDF file of presentations are listed on the project web site https://ssg.group.shef.ac.uk/progress/html/dissemination.phtml.



Dissemination



PROGRESS Summer School

Alcudia, Mallorca, Spain, 26-28 July, 2017

Attracted 15 students from Europe and China

14 presentations on aspects of PROGRESS science

Presentations available from the PROGRESS web site

https://ssg.group.shef.ac.uk/progress2/html/summer_school.phtml



Risks



Participant moves to a different institution

- Participant at SkolTech moved to GFZ.
- Amendment to include GFZ as new beneficiary completed
- PROGRESS was given a 7 month extension to allow GFZ time to complete their tasks
- The work schedule and deliverables for WP 5,6,7 has been modified accordingly.
- No new sources of risk have been identified.



Changes to DoA



DoA modified

- Movement of participant (Y. Shprits) from Skolkovo to GFZ
- Changes to work schedule
- Includes budget details of GFZ



Feedback



External reviewer

- Following the second review meeting feedback was received from our external reviewer. All points raised were answered.
- Deliverables were updated based on specific comments
- Still to deliver a document outlining role of SRI within PROGRESS