

## Report of Participation

TC V Midterm Symposium - Geospatial Technology - Pixel to People  
Dehradun, India: November 20-23, 2018

**Hilcéa Santos Ferreira** ([hilcea.ferreira@inpe.br](mailto:hilcea.ferreira@inpe.br))  
**Brazilian National Institute for Space Research (INPE)**

The travel grant provided by ISPRS Foundation has been highly appreciated and allowed the opportunity for participating in plenary sessions, board and side meetings. With my continuous involvement in the coordination of national and international capacity building initiatives in Geospatial Technology, in the scope of CEOS and GEO, the participation in this symposium has enabled me to networking and interacting with other TC-V Working Groups involved with education and discussing about their activities, knowledge dissemination, teaching-learning methodologies and best practices.

The opening and closing sessions were of special interest and learning:

- Opening Session: ISPRS IPAC (International Policy Advisory Committee): reviewing and discussing international cooperation in Earth observation missions and Earth observation application projects.
- Closing Session - Panel discussion on topic: Emerging mechanism towards education and outreach in geospatial technologies – Way Forward

In summary, here are some activities with direct contribution:

1. **Plenary Session - Trends in Education & Outreach** (November 21, 11:30 - 13:00)
  - a. **Oral Presentation:** Webinar based Cross-border training initiative by CEOS Working Group on Capacity Building & Data Democracy (12:20 - 12:35). Related to the paper submitted and accepted for ISPRS Annals:
    - Kumar, A. S., Ferreira, H., Aggarwal, S. P., and Wood, E. C.: WEBINAR BASED CROSSBORDER TRAINING INITIATIVE BY CEOS WGCAPD ON SAR AND DISASTERS: ACHIEVEMENTS AND LESSONS LEARNT, ISPRS Ann. Photogramm. Remote Sens. Spatial Inf. Sci., IV-5, 65-70, <https://doi.org/10.5194/isprs-annals-IV-5-65-2018>, 2018.
    - Background on participation in WGCAPD (Working Group on Capacity Building and Data Democracy) of CEOS (Committee on Earth Observation Satellites).
2. **ISPRS Technical Commission V Board Meeting** (November 21, 14:00 – 16:00)
  - a. **Presentation**, on behalf of **WG V/6** (Distance Learning - Education and Training Services), the report about WG's past, present activities and future plans.
3. **Technical Session: Promotion of International Collaborative Education Programs, Distance Learning - Education and Training Services, Innovative Technologies in Training Civil Engineers and Architects** (November 22, 14:00 - 15:30 hrs)
  - a. **Session co-chair**, together with Dr. PLN Raju (WG V/6 Vice-President)
  - b. **Oral Presentation:** on behalf of Dr. Senthil Kumar, first author (Kumar, A. S., Ferreira, H., Aggarwal, S. P., and Wood, E. C.: WEBINAR BASED CROSSBORDER TRAINING INITIATIVE BY CEOS WGCAPD ON SAR AND DISASTERS: ACHIEVEMENTS AND LESSONS LEARNT, ISPRS Ann. Photogramm. Remote Sens. Spatial Inf. Sci., IV-5, 65-70, <https://doi.org/10.5194/isprs-annals-IV-5-65-2018>, 2018.
4. **Visit to IIRS (Indian Institute of Remote Sensing) – Distance Learning Center**
  - a. IIRS has been a benchmark in Distance Learning, host of CSSTEAP, strong multilateral cooperation with CEOS and GEO, and consequently with INPE.
  - b. Interest of visiting the center has arisen due to previous partnership with CEOS WGCAPD Distance Learning Course (2013) and Webinar Series (2015 and 2017), carried on by INPE and ISRO-IIRS.
  - c. Tour kindly provided by Dr. Harish Karnatak (Head of Geoweb services, IT & Distance Learning Department) and Dr. PLN Raju.
5. **Side meeting with Dr. Zhipeng Gui, co-chair of WG V/4: Web-based Resource Sharing for Education and Research:**
  - a. Discussion on the coordination with the WG V/4 on Web-based Resource Sharing for Education and Research. Dr. Gui lively demonstrated the platform “GEO Square: Integration of Data, Processing and Modelling”. There is interest and adding learning materials to the platform.

- b. Will have a teleconference in the beginning of 2019 for setting up details, possibly integrating INPE's Learning Center (<http://learningcenter.obt.inpe.br/>) to GEO Square.

