

| Application WG | | | | | | | | |
|----------------|--|--|----------------------------------|---------------------------|---------------------|-------------------------|------------------------------------|---|
| Co-Chairs | | Ziad Haddad | Daniel Vila | | | | | |
| Action Id | Item | Summary | Lead | What to Do | Expected Completion | Actual Completion | Status (open, in progress, closed) | Status as of December 2019 |
| A.AWG.2018.1 | Who is impacted by the reduced constellation? Use Case 1 | What: Augment existing geo-IR nowcasting algorithm (Rapidly Developing Convection, Rapidly Developing Thunderstorm, ForTraCC, which forecast size and intensity of convective storms based on IR history), by injecting microwave information when it exists: a) demonstrate statistical improvement in forecast with microwave and b) choose 4 real tropical cyclone cases when MW was/was not available for demonstration. NOTE - FUNDING REQUIRED! | S. Goyal, Z. Haddad, D. Vila | Still looking for funding | 2020-06-01 | Draft project completed | open | Kick-off meeting scheduled for January 2020 |
| A.AWG.2018.2 | Who is impacted by the reduced constellation? Use Case 2 | What: Reduced PMW satellite numbers are presumed to degrade the utility of precip products; assemble input from users, potentially to include: a) Indus River farmer irrigation advice (Faisal Hossain – G. Huffman contact) b) N. Korean flooding (Len Milich - Z. Liu contact) c) Central American flash flooding (TBD - D. Vila contact) d) case studies with HSAF precip algorithm [uses rapid update] (D. Melfi contact) e) 13-19 Aug. 2018 floods in India during summer monsoon (IMD - Z. Haddad contact) | Several as noted in Col. C | | 2020-06-01 | | open | |
| A.AWG.2018.3 | Who is impacted by the reduced constellation? Use Case 3 | How do they choose products? What advice do they need? What advice can they give developers? what's the right forum? What: a) Recommend engagement by developers with particular users. b) Query dataset developers about known user communities (G. Huffman contact) c) Engage with METEOSAT Users Forum Africa (T. Dinku contact) | Several as noted in Col. C | | 2020-06-01 | | open | |
| A.AWG.2018.4 | Update the page on the IPWG web page pointing to training materials; Update the IPWG tables of data products | Update the page on the IPWG web page pointing to training materials. Where possible, it should point to the organizational pages containing specific training materials and opportunities, as opposed to trying to maintain a detailed list. | G. Huffman | | 2020-06-01 | | open | |
| A.AWG.2018.5 | Update the IPWG page that provide access to new concepts | Assemble a list of links to sites that provide access to data and recipes for processing, data analysis tools, to be added to IPWG web page. | Chris Funk and Paul Kucera (TBC) | | | | | |
| A.AWG.2018.6 | Ask data providers to list applications that their products are most suitable for and those that their products may not be suitable for. | Create a classification table for different applications (i.e., hydrology, drought monitoring, etc.). Giulia Panegrossi (TBC) | Giulia Panegrossi (TBC) | | | | | |
| A.AWG.2018.7 | Application case studies | Create a catalog of papers on applications and case studies. | Raaj (TBC) | | | | | |