Cal/Val

Provision of uncertainties start with the sensor and should be performed for each step in the "product" generation" (as well as for the validation)

Sensor characterisation (and traceability) is critical -> this is essential information required by the algorithms

Test sites are essential

- *Should preferably be fully characterised and instrumented (for example RadCalNet (LandNet), Sodankylä, DEMMIN, etc.*
- *Campaigns not optimal for all products -> continuous operations needed to characterise annual courses (this does not exclude biophysical campaigns)*
- *Timely access to data needed both form fiducial and satellite data subsets*
- *IPR issue on data needs to be clarified ASAP!*

Cal/Val (ii)

But global validation approaches (Vermote, Nagler, Romàn) critical to address "representativeness" of products not necessarily seen through campaigns

Need for "best practise" processing (like Aeronet, RadCoreNet) key for calibration as well as for product validation

"Closure" experiments (for example JRC approach) for land products evaluation a promising diagnostics tool

What about Olive? Is an update desired? If so, what?

Product evolution

Integration of "uncertainties" essential if data to be used for climate studies

- *Requires end-to-end transparency and documentation*
- *Requires access to all data*
- *It is a requirement of GCOS!*

Product evolution to OE-type algorithm and simultaneous land-atmosphere algorithms interesting

Intercomparison protocols clearly exist form CEOS/WGCV/LPV (and other specialised WGs such as from WMO) are key but

- *Are they applied across the board?*
- *How do they address satellite-satellite comparisons?*

Way forward

Elements/recommendations of WS (April/May) to be published as a TN

RadCalNet implementation and continued operations after 2016 (What about an equivalent network for land products?)

SnowPEX to kick-off in Q1

WS recommendations to feed into:

- *Three ESA SEOM R&D calls for synergy land (1M€, Q2), Sentinel-2 land (1.5M€, Q4), and Sentinel-3 land (1M€, 2015)*
- *SPPA call for up to 10 projects (100-200k€ for up to 18m) focussed on Sentinel validation and evolution in Q3/Q4*

Do you think more specialised Land WS on V&E needed in the next 18m?

HOME

APPLICATION
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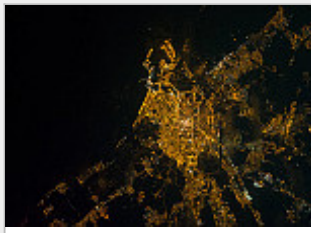
CONTACT POINTS

8-12 September 2014, University of Valencia, Valencia, Spain



Valencia, Spain, seen from over 300 km above Earth by an astronaut on the International Space Station on 6 October 2013

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