

WELCOME to IBC-CARBON's <http://www.ibccarbon.fi/fi-FI>

WORKSHOP 24.5.2018

Novel Earth Observation techniques for Biodiversity Monitoring and Research

Satellite remote sensing, together with airborne/drone LiDAR and hyperspectral techniques are expected to become game-changers in environmental monitoring. Welcome to listen to the state-of-the-art presentations of new possibilities for those techniques, to share your experiences and deepen your expertise in the workshop.

TIME: Thursday 24.5.2018, 8:30-17:00

**VENUE: Auditorium Lauujoutsen of Finnish Environment Institute (SYKE),
Mechelininkatu 34a, HELSINKI**

Final registration: Friday 18.5.2018 until 16:00
<https://syke.etapahtuma.fi/Hallinta/Ulkoinen-koulutuskalenteri/Lisätietoja/id/2683&culture=en-US>

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PROGRAMME

08.30 Coffee

09.00 **Welcome by IBC-CARBON project!**

Petteri Vihervaara, Leading Scientist, SYKE & Martin Forsius, Research Professor, SYKE

09.05 Remote Sensing of Essential Biodiversity Variables (EBVs) as novel remote sensing indicators of BD variables

Andrew Skidmore, Professor, ITC University Twente

10.15 LiDAR - latest applications for forestry and biodiversity

Markus Holopainen, Professor, University of Helsinki

- 10.30** **Imaging Spectroscopy for plant functioning**
Matti Möttö, Academy Fellow, VTT Technical Research Centre of Finland
- 10.45** **Spectroscopy in lab: towards genotyping by images**
Markku Keinänen, Professor, University of Eastern Finland
- 11.15** **Urgent & endangered: biodiversity needs for future**
Olli Ojala, Head of Unit, SYKE
- 11.30** **Discussion**
- 12.00** **Lunch (own cost)**
- 13.00** **IBC-CARBON Technical workshop**
Themes to be discussed (examples): LiDAR parameters for BD modelling, hyperspectral applications and collaboration, ecosystem observatory for Finland...
Suggest the topic of your interest during registration – wide group of experts on board!
- 16:30** **Wrap-up and end of the day**
- 19.00** **Optional Joint Dinner (own cost), place tbc**

Tervetuloa - Welcome!

