



Please note that the facilities open at 8am, but the beginning of the program is at 8.45am for both mornings.

Day 1 - Finish at 18.00		
Time	Presentation	Speaker
8.00	Welcome Coffee/Tea and Biscuits	
8:45	Introduction and Welcome	F. M. Seifert (ESA)
9.15	Overview of ESA's CCI Biomass and Purpose of the 1st CCI Biomass User Workshop	R. Lucas (AU)/P.Caias (LCSE)
9.30	ESA's GlobBiomass Project and Datasets	M. Santoro (GAMMA)
9.45	Review of Experiences and User Requirements for Biomass Mapping	M. Herold (WUR)
10:00	NASA GEDI Update and potential collaboration	J.Armston (UMD)
10:10	Biomass estimation GEDI and OBI-WAN	S. Healey (NSFS)
10:20	The NISAR mission and Forest Characterization NASA's Arctic Boreal Vulnerability Experiment (ABOVE).	P. Siqueira (UMASS)
10:30	The ESA NASA Joint Platform	F. Seifert (ESA)
10:45	Break	
User Needs Session 1: Climate/Carbon/Vegetation Modelling		
Chaired by: P. Caias (LSCE)		
11:15	Climate Model Requirements for Biomass: An Overview	P. Caias (LCSE)
11:30	Opportunities and Challenges for Constraining Carbon Models with Global Biomass Data	M. Williams (EdinU)
11:45	Biomass Data needs for Global Climate Modelling	G. Hurtt (UMD)
12:00	Needs from Assessing Global Carbon Turnover and Biomass Retrieval	N. Carvalhais (MPI)
12:15	Integrating Greenhouse Gas Satellites and Remote Sensing of Forest Structure to Estimate Emissions from Land-Cover and Land-Use Change	B. Poulter (MSU)
12:30	Discussion: General Climate User Requirements for Biomass Data	Chaired by: P. Caias (LCSE)
13.00	Lunch (1 hour) with posters	
User Needs Session 2: REDD+ Climate Change Mitigation		
Chaired by: M.Herold		
14.30	Analysing, Quantifying and Understanding Land Use Impacts on the Biomass State of Ecosystems	K. Erb (BU)
14.45	Linking Remote Sensing Data and In Situ Data in Environmental Applications for Global Policies	I. Jonckheere (FAO)
15.00	Guyana's National Forest Carbon Measurement System: Needs for Biomass Map Data	H. Suhkdeo (GFC)
15.15	Biomass Maps in the World Bank's Land Use Climate Result-based Finance	A. Espeio (WB)
15.30	Break	
16.00	Biomass Map Needs from Silvacarbon and USAID	Wilson/Aukema (USAID)
16.15	IPCC Good Practice Guidance Needs for Biomass Maps	R. McRoberts (USFS)
16.30	Estimating Bias and Precision of Biomass Estimates in Miombo Woodlands with Global Maps	E. Naesset (NULS)
16.45	Toward Estimating Aboveground Live Tree Biomass Across Space and Through Time on Managed Forest Land in Alaska, USA	G. Domke (USFS)
17.00	Discussion/Synthesis on User Requirements for REDD+ and Climate Change Mitigation: Relevance to Climate	Chaired by: M. Herold

Day 2 - Finish at 15.30		
Time	Presentation	Speaker
8.00	Welcome Tea/Coffee/Biscuits	
User Needs Session 3: Climate Modellers and In-Situ Data		
Chaired by: J. Chave (CNRS)		
8.45	Update on the CEOS LPV Biomass Focus Area and Protocol	L. Duncanson (UMD)
9.00	Linking In Situ Data with Earth Observations	J. Chave (CNRS)
9.15	Terrestrial Lidar for In Situ Estimates of Above Ground Biomass	M. Disney (UCL)
9.30	Biomass Retrieval for Different Forest Biomes	T. Le Toan (CESBIO)
9.45	Discussion: Linking In-Situ Data with Earth Observations: relevance to climate	Chaired by: J.Chave (CNRS)
10.00 Break		
User Needs Session 4: Carbon Modelling and Forest Dynamics		
Chaired by: P. Rodriguez-Veiga		
10.30	Forest Disturbances: Requirements of Biomass Datasets	H. Balzter (LU)
10.45	Climate and Land Use Controls on Forest Biomass Dynamics and Global Carbon Sinks and Sources	S. Saatchi (NASA)
11.00	Remotely Sensed Biomass Products for Data-driven Estimates of Forest Carbon Fluxes	M. Thurner (SU)
11.15	Implications of Historical Land Use Change and Wood Demand on Biomass Carbon Stocks	P. Ciais (LCSE)
11.30	Biomass Change Mapping	P. Rodriguez-Veiga (LU)
11.45	Discussion: Linking In-Situ Data with Forest Dynamics: Relevance to climate	Chaired by: Richard Lucas (AU)
12.30 Lunch (1 hour)		
User Needs Session 5: Climate Modelling and Process Models		
Chaired by: N. Carvillhais		
13.30	Requirements of Biomass Datasets for C Cycle Models	N. Carvillhais (MPIB)
13.45	Modelling Forest Succession in OCHIDEE-CAN	F. Cresto-Aleina (LSCE)
14.00	The New SMOS L-band Vegetation Index (L-VOD): Overview and Application to Monitoring Vegetation Biomass at Global Scale	J.P Wigneron (INRA)
14.15	Assimilation of Forest Remote Sensing Height Data into Process-based Models: Challenges and Opportunities	E. Joetzjer (LSCE/EDB)
14.30	Biomass from interferometric SAR	S. Solberg (NIBIO)
14.45	Discussion: Linking Climate Modelling with Process Modelling	
CCI Biomass 1st User Workshop: Discussion and Wrap-Up		
15.15	Final Discussion on Workshop and Climate Modeller User Requirements.	