Remote Training on the Policy and Technical Aspects of Approach 3, Spatially-Explicit Systems for the Land Sector: System Design, Development and Operation using the FLINT Platform

Organized by the UNFCCC Secretariat with the collaboration of moja global and the Government of Canada

30 August – 2 September 2021

Agenda – all times in the agenda are Bonn time

Monday 30 August 2021: 08:30 – 10:30	– **Session 1: Opening Session** – Opening Remarks by the UNFCCC Secretariat – Objectives and expectations, key reminders about the reporting requirements under the Enhanced Transparency Framework of the Paris Agreement – Opening Remarks by moja global
	– **Session 2: Policy drivers for advanced MRV systems** *Land sector MRV systems are a response to policy needs. Previously these needs focused largely on producing reports for the UNFCCC. However, as the land sector becomes a key component of mitigation and adaptation policy, these policy needs have shifted drastically. MRV systems need to advance to meet these new needs.* *In this session we will describe the policy drivers for building advanced Approach 3 MRV systems for reporting of past, and projections of future emissions and removals, including:* ● *Requirements under the Paris Agreement, including transparency, net-zero commitments, reporting past emissions and removals, predicting future emissions and removals* ● *Mitigation policy development, scenario analysis and projections* ● *Adaptation and land-use planning and management* *For each of these drivers we will outline the advantages of Approach 3 systems and provide examples of where Approach 3 systems are used to meet these needs.* – Questions and answers

Tuesday 31 August 2021 08:30 – 10:30	– **Session 3: Background to the FLINT and moja global, including operational examples**
	This session will cover the background to the development of the FLINT software and the moja global organization. This will give participants a clear understanding of how and why the FLINT was developed and why the modular open-source structure was chosen and is supported by moja global.
	● *Description of first-generation integration tools, and why a new system was needed*
	● *The core design principles for the FLINT*
	● *Decision process for creating moja global under the Linux Foundation to manage the open source components of FLINT*
	● *Examples of the FLINT in operation, including global, regional and country specific applications using different input data.*
	– Questions and answers
Wednesday 1 September 2021: 08:30 – 10:30	– **Session 4: Implementing a FLINT-based system**
	This session will cover how to design and implement a FLINT based system, running some simple configurations to advanced methods and models. This session will involve hands-on use of an online version of FLINT to provide context and understanding of the processes.
	● *Configuration of the FLINT, covering different land uses, input data (spatial and remote sensing products) and emissions and removals models (Tiers 1, 2 and 3)*
	● *Options for using the FLINT: Local workstations, distributed computing, cloud computing*
	● *Access to existing global data sets, including how to process these: developed with support from the UNFCCC*
	● *Building local capacity and expertise and accessing international expertise.*
	This session will include operational examples from countries using the FLINT or looking to use the FLINT in the near future.
	– Questions and answers

Thursday 2 September 2021: 08:30 – 9:15	– **Session 5: Contributing to moja global and the FLINT: creating a community of users** *The core aspect of moja global is to foster collaboration between countries on the use of advanced MRV tools for the land sector. This section will address how to work with and contribute to moja global to reduce costs, increase reliability and support broader use.* ● *Management structure of moja global, and how to become involved.* ● *Contributions to the FLINT code: examples from Google summer of code/documentation, country support (Canada), corporate support (Mullion), government support (UNFCCC, Kenya, Canada, Australia, USA)* ● *How to contribute, types of contributions and what contribution means.* ● *Development of new models for use with the FLINT, including deforestation prediction algorithms, new emissions models and other metrics*
9:15 – 10:15	– **Session 6: Open discussion session** *This session has been deliberately left open to allow participants to raise questions and to discuss with the team processes for moving forward with a FLINT-based system. The key moja global team members will be available for discussions during this time.* *Based on these discussions the moja team will be able to set up more support and design future technical workshops.*
10:15 – 10:30	– **Session 7: Closing session** o Closing remarks by the moja global team o Lessons learnt from the training, next steps, closing remarks – UNFCCC Secretariat o End of training