

## **C-Sink Manager (CSM) procedures - for EBC and WBC Standards**

C-Sink Managers are CSI-endorsed service providers to assist biochar producers with

- Introducing the biochar producers and biochar traders to the EBC/WBC requirements and setting up the necessary protocols to ensure quality management throughout the processes.
- Preparing and accompanying the EBC/WBC and Global Biochar C-Sink certification process.
- Tracking the biochar products from the production site to their incorporation into the C-Sink matrix
- Registering the C-Sinks into the Global C-Sink Tool and Global Carbon Registry

### **Onboarding of Producers**

- The CSM may directly get into contact with a biochar-producing company.
- Also, CSI provides a list of endorsed C-Sink managers and suggests that new producers contact one of them.
- Biochar producers and biochar traders may become certified without signing a contract with a CSM. Even in this case they can use the complete service of CSI.

### **Consulting and Set-Up of certification procedures**

- The CSM can act as the representative of biochar producing companies (PC)
- However, to start the certification process, the biochar producer/biochar trader must register at CSI and CERES-CERT and can select their CSM from the CSI list of endorsed CSMs.
- The CSM can contract PCs and take over the upload of company and technology descriptions and the registration of sampling and batches in the CSI IT-Tools.
- The CSM helps the PC to set up all necessary quality management measures (feedstock tracking, mass balance, pyrolysis surveillance and data recording, emission tests, sampling, retentions samples, storage, dry matter assessment, labeling of the products, work safety, handling instructions for users, recording of daily production ...).
- The CSM assists the PC in passing the on-site inspection smoothly and that all certification-relevant data are well prepared and transmitted to Ceres and CSI.
- The CSM is usually trained as a sample taker. The company can also be trained as a Sample Taker, the CSM can assist the PC to get endorsed for.

### **Tracking of product**

- The CSM uses the Global C-Sink Tool or its proprietary tracking system to follow each packaging unit (> 500 l: corresponds to 0,5 m<sup>3</sup>) from the production site to the C-Sink matrix<sup>1</sup>.
- Each packaging unit must carry a registered ID (usually a QR code) readable with a smartphone App.
- The tracking must record modifications of biochar properties, location, and ownership.

---

<sup>1</sup> Final storage place

**Inscription into the Global Carbon Registry**

- Once the biochar is mixed into a C-Sink matrix, the C-Sink must be registered with all necessary data into the Global C-Sink Tool. An electronic application interface is available.
- All emissions from feedstock procurement till application of the product must be retired as CO<sub>2</sub>e and/or CH<sub>4</sub> compensation in the Global Carbon Registry. The registered Biochar C-Sink or another persistent C-Sink can be used for this.
- The registered data is validated by CERES-CERT during registration and for realization of the C-Sink.

**Legal Aspects**

- The endorsed CSM can represent the PC in the collaboration with CSI and CERES-CERT.
- If the CSM loses its endorsement, all data relevant to the certification must be transferred to CSI.

**Fees**

- The CSM pays the fee for the Global Carbon Registry to CSI.

**Endorsement of the C-Sink Manager**

- C-Sink Managers must be endorsed by CSI, who will annually inspect all above-outlined procedures and their automatization.
- IT tools of the CSM are evaluated and accredited by CSI IT Experts once a year.

**Further Endorsement and Services**

- Technology endorsement (technical audit) is conducted by Ithaka Institute.
- Analytical Laboratory endorsement is conducted by Ithaka Institute / CSI.
- Training of Sample Taker is provided by CSI.