Recommendations in relation to detection and identification of LMOs (pertaining to experience with new detection techniques, detecting newly developed and unauthorized living modified organisms) - SBSSTA 26/6

- **Update the training manual on detection, or write a report, on the detection and identification of newly developed LMOs, including LMOs developed through genome editing**
    - What are the suitable analytical technologies? And what is their availability/commercial status?
    - What needs to be developed?
    - What are the implementation gaps and needs?

  NB: EU has granted 10M EUR for two research projects under their Horizon Europe Program (2023) in order to develop analytical and digital methods specifically for organisms and products derived from new genomic techniques

- **Establish a dedicated working group to gather information on new sequencing technologies that are showing promising results on the detection of several LMOs at the same time, including unauthorized LMOs**. This can be shared with all Parties to help increase their capacity in identifying LMOs in food/feed products, for environmental monitoring and for new types of LMOs such as those developed through genome editing.

- **Call for continuous capacity building on detection and identification both on traditional analytical methods and new methods – including hands on laboratory training**
- **Call for continuous capacity building in BCH information access with respect to newly developed LMOs**

- **Urge the industry sector to share information on newly developed LMOs** and **request the Executive Secretary to explore the possibility to link the industry databases** (e.g. GMDD) **to the BCH database** as they just recently did with the EU database