

# Template for STSM offers

## COST Action CA15223

### “Modifying plants to produce interfering RNA – iPLANTA”

#### **PROPONENT INFORMATION:**

**Name of supervisor:** Paul Henning Krogh

**Department/Laboratory:** Soil Fauna Ecology and Ecotoxicology

**Institution:** Dep. of Bioscience, Aarhus University (AU)

**Country:** Denmark

**TITLE OF THE OFFER:** Effects assessment of RNAi for soil invertebrates

**WORKING GROUP:** WG3

**DATES FOR TRAINING PERIOD:** Sept. 1<sup>st</sup> 2017- Nov. 31<sup>th</sup> 2017

**Nº OF DAYS:** 90    **Nº OF MONTHS:** 3

#### **SUMMARY OF WORKING PLAN:**

Currently there is a noticeable lack of studies of soil invertebrates exposed to RNAi. Such studies are needed for the risk assessment of upcoming RNAi and must be performed with due consideration to realistic exposure routes. The STSM candidate will prepare a problem formulation and a biosafety protocol of the GMO risk of RNAi plant material in collaboration with iPLANTE WG3 partners. New ecotoxicological studies will be performed by the applicant jointly with the host institute and contributed to the iPLANTA database on non-target effects. In addition qPCR and chemical analysis can be included where needed. Parallel fate studies of RNAi may be done in collaboration with iPLANTA partners. A range of non-target soil invertebrate species with contrasting functional traits concerning feeding type, habitat type etc. is available at Aarhus University.

#### **SPECIAL REQUIREMENTS:**

Basic training in biology and lab work experience at MSc level.