

EPS biotechnology, s.r.o.

Partner Activities
&
Composting in CZ

AGRISED project meeting, Oct-21-2019, Pistoia

Dissemination at conferences.

June: Contaminated Sites Conference in Piešťany, SK

July: proposed new dissemination/replication activity: in discussion with architecture engineers, a new potential application of the AGRISED product = improving the buildings microclimate

demo-site proposed at the new EPS research/education center in Most, center of a heavily industrial area with long history of surface coal-mining and the linked industries such as energy and/or petrochemical production..

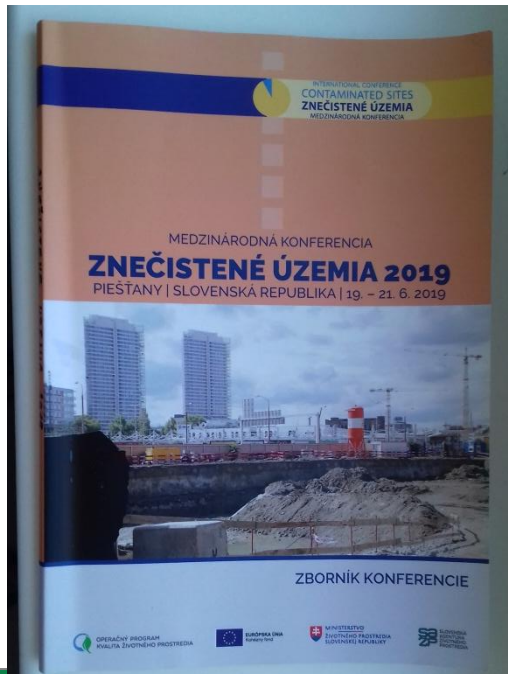
August: taken part in discussion with the other AGRISED partners in order to speed up the project by starting a composting activities also in the Czech Republic.

Main questions that were discussed concerned the type of sediment and green waste-biomass, the protocols thereof, and the financial conditions for such a substantial addition to the proposed EPS.

September: selected, secured, collected, and shipped the sediment samples to the CNR and UNIFI partners

Dissemination at conferences.

- Conference TVIP (20th March 2019) - CZ
- Workshop EPS Academy (21th March 2019) - CZ
- Workshop Remediations in theory & practice (11th April 2019) - SK
- Conference Remediation Technologies XXII (22nd-24th May 2019) – CZ
- Conference Contaminated Sites 2019 (19th – 21th June 2019) - SK



Policy makers addressing:

- 15.10.2019: Czech Parliament Upper Chamber (SENÁT ČR)
- Seminar for parliamentarian Expert Committee
„Water-Draught“ titled:

„Potable water for the third Millenium“

- Discussion contribution with active reasoning in favor for sediment-use legislation (setting limits: clean for agriculture, medium for urban use, contaminated for waste disposal)
- Personal communication
- Hand-shaking

Policy makers addressing:



Jiří Burian:
Senate Committee
Chairman



EPS is ready to compost 1,5 -15,0 m³ of sediment.

Two Options:

Option 1:

- composting only for EPS activities - e.g. a nursery culture of two ornamental species in a greenhouse (approx. 1 m³) and an urban pilot test (approx. 0,5 m³)

Option 2:

- composting for EPS activities & activities of IT partners

EPS is ready to compost 1,5 -15,0 m³ of sediment.

Option 2:

- composting for EPS activities & activities of IT partners:
 - Agri Vivai (NO/YES-HOW MUCH?), MCM (NO/YES-HOW MUCH?)
- Is there any preference for particular experimental setup (1:1/3:1/1:3 ?)
- Sample processing: shipped every day separately, or D0-D10 together?
- Transport legislation constraints – EPS is capable to legally deliver the product/substrate to the IT borders => The partners in IT are responsible to pick up the material at the borders/customs.
- EPS has ready a ground-isolated biodegradation area (composting plant) approved and certified for composting by local authorities.
- Composting period (6-8 months VERSUS 12 month? = Nov19 to Nov20)

Composting Ratios

Sediment : green waste	m3 sediment	m3 green waste	m3 biomass after composting (30%)	m3 Final product TOTAL
3:1	4	1,3	0,4	4,4
1:1	4	4	1,3	5,3
1:3	3	9	3	6,0
TOTAL				15,7

Product shipment

Agri Vivai will send to EPS:

- *90 pcs of Photinia*
- *90 pcs of Laurustinus*
- *160 pcs pots (5L / 9L ???)*
- *and 200 L commercial peat-based substrate*

EPS will send back to Agri Vivai (the same truck):

- *Requested amount of composted AGRISED substrate (together with amount requested by MCM)*

Urban Pilot Test

- *A demonstrating urban pilot test*
- *EPS will grow vine (creeper) plants in 6 pots on AGRISED substrate at a pergola in the EPS premises in the Northwest CZ.*
- *Approx. 70 L each pot,*
- *two plants per pot)*
- *Improving the building microclimate.*

EPS is ready to start next Tuesday, Oct-29-2019.

HOWEVER:

The major concern from the CEO board of the EPS is :

This activity has not been included in the original project. Hence, the project budget of EPS DOES NOT reflect any of the expected costs (including personnel).

EPS will start working only with a signed consent of the project coordinator (supported by „all in favor“ vote of the present project partners).

Returning without such signature, EPS will not start the composting phase.

EPS is ready to start next Tuesday, Oct-29-2019.

The EPS question is:

How is this going to be reimbursed?

- Invoicing to different partners?
- Transferring a part of the budget from other partners to EPS?
 - <5% of the budget possible to be transferred with explanation and reasoning (in CZ projects)