**WORKPACKAGE WP T1**

**ENHANCED LANDFILL INVENTORY FRAMEWORK (ELIF)**

**REQUEST FOR INFORMATION – LANDFILL COMMON INVENTORY**

1. Introduction

RAWFILL (“Supporting a new circular economy for RAW materials recovered from landFILLs”) is a new EU-funded landfill mining project gathering partners and associated partners of EU NWE regions and supported by EURELCO.

The ultimate goal of RAWFILL is to allow NWE public & private landfills owners & managers to implement profitable resource-recovery driven landfill mining projects.

RAWFILL develops a cost-effective standard landfill inventory framework (ELIF) based on existing inventories and experiences, an innovative landfill characterization methodology by geophysical imaging and guided sampling and an associated Decision Support Tool (DST) to allow smart LFM project prioritization. The whole concept will be demonstrated in 2 pilot sites in Flanders and France.

ELIF will be used to describe landfills not only in terms of environmental & risk issues, but will focus on available dormant materials, so that it will be possible to economically evaluate later the resource-recovery potential of each landfill. ELIF is the basis for our DST ranking tool and so a prerequisite to assess feasibility, business plan & business case for launching profitable landfill mining projects.

More information:

<https://www.eurelco.org/single-post/2017/04/10/EURELCO-partners-win-Interreg-North-West-Europe-project-RAWFILL-1>

<http://www.spaque.be/0114/fr/1309/SPAQuE-leader-du-projet-europeen-RAWFILL?from=139&artid=596>

Any general question? Please contact SPAQuE – Marta Popova, m.popova@spaque.be

1. Request to landfill inventories owners - Structure of landfill inventories

2.1 Why do we ask you some information?

In order to define our ELIF (common landfill inventory structure, that will integrate data related to the economic landfill resources), we need to gather and summarize the structures of existing landfill inventories that you would agree to send us.

So, we would like to receive some information related to landfill inventories from your organization.

Shouldn’t you in charge of supplying this information, please let us know who else we can contact!

We will of course invite you to share the results of RAWFILL through several events that we will organize in the next 3 years, and will send you a detailed summarized report of our works to thank you for your cooperation.

Should you be interested to become part of our Associated Partners team, do not hesitate to come back to us.

The attached questionnaire is given hereunder.

Once again, we would like to thank you for supporting the emergence of a suitable landfill mining industrial sector!

2.2 The Request

Please note that we do not need to receive the data themselves, but only the data structure, i.e. all the fields that are used to characterize a landfill in a database as its type, location, depth, volume, geological context, nature of buried wastes, etc.

An example of landfill from your inventory would also be appreciated.

Here is the questionnaire we would be pleased to receive from your organization:

2.3 Questionnaire

Your organization:

Your name:

Position:

Mail:

Tel:

Name of your landfill inventory (if there is a specific one):

Type (select one):

* database specify used software:
* spreadsheet specify used software:
* other specify used software:

Date of creation:

Covering area (select one)

* country
* region

Use Statut (select one):

* private (for internal use only)
* public
* both

Update frequency (select one):

* completed
* less than once a year
* once a year
* more than once a year
* permanent updating

Number of landfills at present day:

List of fields used in your inventory (please fill the table, adding other necessary rows):

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Field** | **Unit** | **Type** | **Length** | **Origin of data** | **Precision**  | **Ease of obtain it** |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |

|  |  |
| --- | --- |
| **By** | **We mean** |
| Field | name of the field in your inventory |
| Type | text field/number/Boolean/other |
| Length | length of text fields |
| Origin of data | the most common way you use to get the data (i.e. measured/estimated/come from historical source) |
| Precision | the most common precision associated to the data (i.e. good/medium/poor) |
| Ease of obtaining | Easy/not easy to obtain that information |

Here is an example:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Field** | **Unit** | **Type** | **Length** | **Origin of data** | **Precision** | **Ease of obtaining** |
| Landfill name | - | Text field | 255 characters |  | n.a. | Easy |
| Other name | - | Text field | 255 characters |  | n.a. | Easy |
| Date start | - | Number |  | Historic | poor | Not easy |
| Date end | - | Number |  | Historic | good | Easy |
| Location | coordinates | Numbers |  |  | n.a. | Easy |
| Volume | m³ | Number |  | Estimated | medium | Not easy |
| Waste type | - | Text field | 1000 characters | Historic | medium | Not easy |
| Aquifer impacted |  | Boolean | Yes/No | Measured  | good | Not easy |
| And so on… |  |  |  |  |  |  |

Thank you once again for your cooperation!

Any technical question? Please contact Atrasol - Ir. Renaud De Rijdt, renaud.derijdt@gmail.com