

## SOP 02. ANNEX 7. SEED COLLECTION FORM FROM WILD FLORA

### RECOGNITION SURVEY

Sheet no. \_\_\_\_\_

Author \_\_\_\_\_

Year \_\_\_\_\_

Map name \_\_\_\_\_ Date \_\_\_\_\_ Element Area \_\_\_\_\_ %

Latitude \_\_\_\_\_ Map No \_\_\_\_\_ Fotos \_\_\_\_\_

Longitude \_\_\_\_\_ Author \_\_\_\_\_ Color \_\_\_\_\_

County \_\_\_\_\_ Comuna \_\_\_\_\_ Missing Data \_\_\_\_\_

Natura region \_\_\_\_\_ Survey Area \_\_\_\_\_ m<sup>2</sup>

#### Description of main layers

- Trees (>2m) ☐
- Shrubs (≤ 2m) ☐
- Herbs ☐

Rock Age \_\_\_\_\_

Reaction of Rocks with HCL

1. close (>90%)
2. slightly open (75-90%)
3. moderately open (50-75%)
4. open (25-50%)
5. very open (10-25%)
6. extremely open (0,1-10%)
7. fully open (0%)

0. the rock does not appear on the surface
1. the surface rock does not effervescent
2. very weak effervescence
3. weak effervescence
4. strong effervescent
5. very strong effervescence
6. net effervescence.

#### Vegetation formation

#### Nature of the rock

0. area with very open or absent vegetation

#### Surface covered by:

1. tall and dense woody formation

- hard rock and blocks \_\_\_\_\_ %

2. tall and fairly bright woody formation

- boulder fields \_\_\_\_\_ %

3. tall and bright tree formation

- fine soil \_\_\_\_\_ %

4. low woody formation

- vegetation (basal coverage) \_\_\_\_\_ %

5. grassy formation

- litter \_\_\_\_\_ %

6. complex woody formation
7. tall herbaceous-woody complex formation
8. low herbaceous-woody complex formation
9. mixed low and tall herbaceous-woody complex formation

1st Dominant Species \_\_\_\_\_

2nd Dominant Species \_\_\_\_\_

Altitude \_\_\_\_\_ m.s.m. \_\_\_\_\_

Exposure \_\_\_\_\_

0 flat terrain or undefined exposure

- |       |       |
|-------|-------|
| 1. N  | 5. S  |
| 2. NE | 6. SV |
| 3. E  | 7. V  |
| 4. SE | 8. NV |

### Apparent humidity of the site

0. specific case
1. very dry site
2. dry site
3. moderately dry site
4. moderate site
5. moderately humid site
6. humid site
7. very humid site (saturated soil)
8. extremely humid site (oversaturated)

### Topographical situation

1. Flat Terrain
2. Sharp Peaks (Pinnacle, Spur, Ridge)
3. Steep Slope
4. Rounded Peaks (Hillock, Ridge, Hill, Knoll)
5. Upper Slope (Talus)
6. Mid-Slope
7. Terrace
8. Slope Base
9. Open Depression
10. Closed Depression

### Submersion

1. Site Apparently Never Flooded
2. Site Occasionally Flooded
3. Site Periodically Submerged (Less than 6 Months)
4. Site Periodically Submerged (More than 6 Months)
5. Site Permanently Submerged with Shallow Water
6. Site Permanently Submerged with Deep Water
7. Oxygenated Flowing Water
8. Stagnant Water

### Slope

- |           |           |
|-----------|-----------|
| 0. 0-0,9% | 6. 36-48% |
| 0. 1-3,9% | 7. 49-63% |
| 1. 4-8,9% | 8. 64-80% |
| 2. 9-15%  | 9. 81-99% |
| 3. 16-24% |           |
| 4. 25-35% |           |

### Water layer thickness during submersion

0. no submersion water
11. undetermined depth
12. highly variable depth from point to point

### Water level depth at the time of the survey

### Degree of soil profile hydromorphy

0. undetermined
1. non-hydromorphic
2. temporarily hydromorphic without suspension
4. temporarily hydromorphic with suspension

11. invisible canvas \_\_\_\_\_ cm

- |                   |                   |
|-------------------|-------------------|
| External drainage | Internal drainage |
| 1. null           | 1. excessive      |
| 2. slow           | 2. good           |

6. permanently hydromorphic without suspension
8. permanently hydromorphic with submersion outside the vegetation period
9. permanently hydromorphic with submersion during the vegetation period

3. medium
4. rapid

3. medium
4. imperfect
5. poor
6. very poor

### Substrate type

#### Construction material

- 00 – undeterminate
02. – earthy
- 04 – organic earthy
06. – organic
08. – gravelly stony
20. – apatite
90. – rocky

### Humus nature

#### Type

- Terrestrial humus
0. undeterminate
1. Mull
2. Mull-moder
3. moder
4. moor

#### Subtype

1. fibrous
2. hard (or xero-)
3. sandy
4. coarse
5. mediu
6. fine
7. calcic
8. peaty
9. hidro

### Depth pf the mobile layer \_\_\_\_\_

11. undetermined
12. Highly Variable from Point to Point \_\_\_\_\_ cm

### Substrate nature \_\_\_\_\_

1. undetermined or absent to a depth of 120 cm
2. rocky layer
3. earthy layer (clayey loam)
4. organic substrate
5. organic-earthly substrate
6. gravelly-stony substrate
7. soil with incorporated rocks

Depth	pH	HCL	Texture	Colour	Bag no.

### phytotrophic type

#### Nutrient element availability (base supply)

0. Undetermined
1. Oligotrophic
4. Dystrophic
6. Mesotrophic
8. Eutrophic

### Soil type

depth \_\_\_\_\_ cm

## Phytosociological analysis

### Layers

I – 0-5 cm

II – 5-25 cm

III – 25-50 cm

IV – 50 cm-1 m

V – 1-2 m

VI – 2-4 m

VII – 4-8 m

VIII – 8-16 m

IX – 16-32 m

X – peste 32 m

67-71	Species	Layer	Cover %	67-71	Species	72 Layer	74 Cover %
1				14			
2				15			
3				16			
4				17			
5				18			
6				19			
7				20			
8				21			
9				22			
10				23			
11				24			
12				25			
13				26			

### Wildflower seed collection form

Year	Month	Day	No. herbarium specimen	No. collecting

#### Collecting place

<b>Country</b>	<b>Longitude</b> .....° .....’ .....” N
<b>County/Region/District</b>	<b>Latitude</b> .....° .....’ .....” E
<b>Comuna</b>	<b>Altitude</b> .m
<b>Village</b>	<b>Location description</b>
<b>Popular area names</b>	

#### Fhytoindividual description

<b>Scientific name</b>  <b>Genus</b>  <b>Species</b>  <b>Family</b>	<b>Popular name</b>  <b>No. of plants collected</b>  <b>No. of plants found</b>									
<table style="width: 100%; border: none;"> <tr> <td colspan="3" style="text-align: center; padding-bottom: 10px;"><b>Fenology</b></td> </tr> <tr> <td style="text-align: center; width: 33%;">% <b>Vegetativ</b></td> <td style="text-align: center; width: 33%;">% <b>Flowers</b></td> <td style="text-align: center; width: 33%;">% <b>Fruits</b></td> </tr> <tr> <td colspan="3" style="padding-top: 20px;"><b>Plant height</b></td> </tr> </table>	<b>Fenology</b>			% <b>Vegetativ</b>	% <b>Flowers</b>	% <b>Fruits</b>	<b>Plant height</b>			<b>Characteristics of herbarium specimen</b>
<b>Fenology</b>										
% <b>Vegetativ</b>	% <b>Flowers</b>	% <b>Fruits</b>								
<b>Plant height</b>										

#### Sample description

<input type="checkbox"/> <b>Seed</b>  <input type="checkbox"/> <b>Material vegetative</b> <ul style="list-style-type: none"> <li>❖ whole plant</li> <li>❖ bulbs</li> <li>❖ tubers</li> <li>❖ root</li> </ul>	<input type="checkbox"/> <b>Pollen, spores</b>  <input type="checkbox"/> <b>Herbarium specimen</b>
--	--

<input type="checkbox"/> <b>Foto</b>	
<p><b>Inventory area</b>                      m, km, ha</p> <p><b>Number of individuals</b>  0-50          50-500          500-5000          &gt;5000</p> <p><b>Population size</b>  1-50    50-250    250-2500    2500- 10000    &gt;10000</p> <p><b>Number of individuals with dispersed seeds</b>  &lt; 50          &gt;50</p> <p><b>Phytosanitary condition of seeds</b></p> <ul style="list-style-type: none"> <li>❖ healthy</li> <li>❖ insect attack</li> <li>❖ empty</li> <li>❖ malformed/ other changes</li> </ul>	<p><b>Abundance of taxa in the surveyed area</b></p> <ol style="list-style-type: none"> <li>1. very rare individuals</li> <li>2. rare individuals</li> <li>3. low-abundance individuals</li> <li>4. abundant individuals</li> <li>5. very abundant individuals</li> </ol> <p><b>Number of healthy seeds per fruit</b></p> <p><b>Number of fruits per individual</b></p> <p><b>Number of individuals collected</b></p>

### Habitation

<p><b>Vegetation type</b></p> <ul style="list-style-type: none"> <li>❖ alpine</li> <li>❖ subalpine</li> <li>❖ mountains: <ul style="list-style-type: none"> <li>- spruce level</li> <li>- beech and spruce mixed level</li> <li>- beech level</li> </ul> </li> <li>❖ hills and plateaus: <ul style="list-style-type: none"> <li>- oak sub-level</li> <li>- the sub-level of the Sessile Oak</li> </ul> </li> <li>❖ rubble</li> <li>❖ rockery</li> <li>❖ swamps</li> <li>❖ marsh</li> <li>❖ sands: <ul style="list-style-type: none"> <li>- sea</li> <li>- continentale</li> </ul> </li> <li>❖ forest-steppe</li> <li>❖ steppe</li> </ul>	<p><b>Habitat type</b></p> <ul style="list-style-type: none"> <li>❖ coniferous forest</li> <li>❖ deciduous coniferous forest</li> <li>❖ meadows</li> <li>❖ pastures</li> <li>❖ scrub</li> <li>❖ swamps</li> <li>❖ cleared areas</li> </ul> <p><b>Plant communities</b></p>
--	--

## Floristic description of the site

Taxon	Characteristics	Edifying	Differentials	Recognition	Indicators	Accompanying	Incidental

### Slope

1-6%   7-12%   13-18%   19-25%   26-33%   >33%

### Relief unit

- ❖ plain
- ❖ low valley
- ❖ valley
- ❖ hill
- ❖ ridge
- ❖ plateau
- ❖ terrace

### Soil description

- ❖ sandy
- ❖ gravel/stony
- ❖ loamy
- ❖ clayey
- ❖ humus
- ❖ alluvial

### pH

**Humidity**   wet   wet dry   wet/humid seasonal

### Exposition

