



## Activities of collection and analysis of data in Slovenia

Collection of available data about traditional (agroecological) knowledge was extensively done in 2015 (litterature search, web search, informations from local CAFS institutes, NGO, local educational institutions) and indicated wide range of potential candidate practices (beekeeping (AŽ beehive), knowledge about “kozolec” hay stack, suhozidi stone walls, prinele making, water milling parctices ...) The activity resulted in some AE practices visited and contact with practitioners :

- 16. 2. 2015 Basket making : Pratictioner Janez Kavčnik, is self-taught basket maker. He went of retirement and decided to make baskets as he saw as a young kid at their homestead. He contacted two elderly basketmakers and got the basic knowledge. By his own initiative he explored materials for basket making and discovered the best places to get the right materila for baskets. He also has planted certain sort of willow trees in vicinity of his house on Kovk near Trbovlje. He explained the techniques of selection, preparation and the use of different materials. He demonstrated the making of big basket with suspenders for carrining hay and other products on the shoulders. He also was telling different stories conneced to his work. The problem he sees is that the work on basket is not aknowledged and the price of the product is low. He keeps it for the hobby. He is willig to transfer knowledge but he indicated that in the region the interest, especially by younger peole is very low. It is timeconsuming activity and it doesn't fit into modern way of life. Annex 5 : audio, photo
- 31. 3. 2015 Bronze tools use, with mr. G. Kvasnik and his patrner Tina from Osti jarej company we contacted on march 2015 and got an apointment for video recording and interview in Arboretum Volčji potok near Domžale. They produce different models of bronze tools. Some of them are universal and others are reproductions of traditional gardening tools from different parts of Slovenia. They looked for them on farms and in ethnological collections and museums. They studied their properties and have chosen three different types of hoes, hand narrow sickle for weeding nad other types of gardening and field tools, garden knives, claws and a tiller in bronze. The most interesting and innovative is a weeder (ljubica) with heart shaped cutting part. It was invented by inspiration by Tina and enables user to go as near as possible to the plant not to damage it. The practice is good exmple of use traditional (agroevcological) knowledge for innovative tools production. They invested a lot of time to find, understand and learn how to produce and use almost forgotten tools and tehнологies. We analysed collected material and prepared the website presentation of good practice reviving old designs of gardening tools for sustaianble agriculture in the future : Sagiter website : <http://sagiter.eu/intranet/wakka.php?wiki=BronzeToolsOldKnowledgeForTheFuture&lang=en>  
Video materials, sheet about the practice are in Annex 5.
- 24. 4. 2015 Račka onion – revival of local onion variety. We got contact with mr. Kerin, who is the central person of Raka onion revival. We appointed the interview and video recorded it on filed visit in Raka na Dolenjakem. 2011 private iniciative of local Turist

association and different other stakeholders from Raka / E Slovenia identified a need to revive the production of Raka onions. They proposed the project and 2013 won the tender of LEADER program.

Traditional, almost extinct practices, which are a good example of agroecological knowledge, were collected in the area. The technology of production and postharvest treatment were documented. Seeds of garden populations were collected and description of the variety was done. The brochure with descriptions of variety and technology was prepared. In connection with promotion of Raka onions culinary workshops, degustations and education events were organized. Onions were starting point of joining producers of different local products (vegetables, herbs, honey, arts and crafts) under common brand Najboljše z Rake (The best from Raka). We made video recording, took notes, analysed video and prepared two fact sheets about practice on the SAGITER website:

<http://sagiter.eu/intranet/wakka.php?>

[wiki=TraditionalOnionVarietyFromRakaESlovenia&lang=en](http://sagiter.eu/intranet/wakka.php?wiki=TraditionalOnionVarietyFromRakaESlovenia&lang=en)

<http://sagiter.eu/intranet/wakka.php?wiki=GrowingSetsAndSeedsOfRakaOnion&lang=en>

Video recordings, documents and photos taken are in Annex 5

- 21. 5. 2015 Gold of pleasure (*Camelina sativa*) traditional production and transformation techniques. We conducted two interviews with two elderly people (Štefunko Fanika and Franc Kranjc) from two farms in Koroška region near Austrian border, where the traditional growing methods for camelina are still used and oil preparing practiced. The first was grandmother on the farm and the other was owner of the farm who presses oil for his use and also for other farmers. Both are over 70 years old. We discovered that the transfer of agroecological knowledge in the family still exists on some farms with more generations in the family. We prepared fact sheet about the practice :

<http://sagiter.eu/intranet/wakka.php?>

[wiki=TraditionOfGoldOfPleasureCamelinaSativa5&lang=en](http://sagiter.eu/intranet/wakka.php?wiki=TraditionOfGoldOfPleasureCamelinaSativa5&lang=en)

Video and transcription are in Annex 5

- 20. 8.2015 We visited Marija Bončina at Čadrg, Soča valley, 700 m.a.s.l. in Julian Alps to talk about Čadrg common village dairy. This AE practice is almost 700 years old tradition where all villagers organized just one dairy and shared the work and results of activity between them. It is an example of social good practice, which was recognized as special by different researchers. The practice enabled people in Tolmin mountains to survive without excess of burden in harsh mountain environment by sharing duties and results of their work. We took an interview and recorded video. It was recognized that the practice is an example of how different funds can help maintaining tradition, but we already described similar action in Raka onion. Video and description of the practice are in Annex 5

- Agrohomoepathy : We had several meetings with author and researcher Ing Majda Ortan, organized field visit and began cooperation in exchange of knowledge from november 2014 to May 2015 resulting in two activities: as a core of 1st testing the method of Nonformal knowledge transfer at BC Naklo (20 and 21. 10. 2015 - see there) and as a topic of two events organized by Hungarian partner SIE Gödöllő ( 21. And 22. 03. 2016) Photos and presentation are added in Annex 5

We described the practice as the good approach to communicate AE demands to practitioner in a fact sheet :

<http://sagiter.eu/intranet/wakka.php?wiki=AgrohomeopathyAncientKnowledgeForSustainabl2&lang=en>

· 14. 10. 2014 Shingle making, Meeting with Nejc Dijak, shingle maker on information meeting, presentation of his work and traditional knowledge incorporated, animation for cooperation. Activity resulted in presentation of shingle making for participants of Ljubljana SAGITER meeting (22.10.2014- see there), and as a topic in optimized module of nonformal transfer at BC Naklo (20, hed 21. 4. 2016 – see there ) the method developed on website of the project : <http://sagiter.eu/intranet/wakka.php?wiki=NonformalTrasnferOfAgroecologicalKnowledge&lang=en>,

· **Identification of the tools/methods**

Video sequences - Identification of the tool interesting for transmission of AE knowledge. Video sequences are used as the part of documentation of Standards and Catalogue of Knowledge for acquiring the National Vocational Qualification of basket maker. It contains short videos with comments about making products from bast, wicker or straw. It is accessible on the website of National Examinations Centre, which is a central institution established for the external assessment of pupils, apprentices, students and adults vocational knowledge in Slovenia. We also obtained written consent for eventual translation of video materials into English to be accessible to project partners. We prepared a fact sheet for SAGITER website :

Video sequences for improvement of agroecological skills :

<http://sagiter.eu/intranet/wakka.php?wiki=VideoSequencesForImprovementOfAgroecologic&lang=en>

· Farmers circles, a good possibility for transfer and exchange AE practices were identified and discussed in the house of CAFS with experts of advisory service, who have experience in organizing and facilitating them. Discussion was held with Anton Jagodic - former head of public Farmers Advisory Service, Vojko Bizjak - specialist for fruit and viticulture and Mitja Zupančič specialist advisor for organic farming. It was described as a method of knowledge transfer in fact sheet : <http://sagiter.eu/intranet/wakka.php?wiki=FarmersCircles&lang=en>

The approach of exchange the AE practices and knowledge was encouraged and moderated on the meeting of Farmers circle of Deteljica association of organic farmers (see Annex 6).

· **Assesment of AE knowledge by survey**

· Population of pupils and students

On the meeting of the local group it was decided to design a survey with questionnaire adapted on the bases of the method of interview proposed by partners of the project. The purpose of the survey was to establish state of knowledge about Agroecology and agroecological approaches among students Biotechnical Centre Naklo and to determine whether there is interest among students to maintain for revival of traditional farming methods. We interviewed students of three

different educational programs including students of the fifth year of professional education. Surveys were carried out collectively by classes and the teacher was constantly present available to clarify any questions. Results were collected during autumn 2015 and first analysis was done. Preliminary results for agro-entrepreneurial technician program was prepared as a PPT presentation in November 2015 and analysis of the survey was prepared in written document which was then received in the beginning of 2016. The documents were translated into English for further use and for the report.

Documents are attached in Annex 5.

- Population of organic farmers

The questionnaire adopted on the basis of the tool for students was given to the members of the Farmers circle for Organic farming of Deteljica Organic Farmers Association in summer to get insight into knowing and understanding traditional knowledge as a part of agroecological concept of sustainable agriculture. The questionnaire contained questions about demographical parameters, knowledge about the term Agroecology, recognition of traditional activities, their practicing at the farms of respondents. We wanted to understand the spread of some practices which could be understood as agroecological and the ways they are transferred in respondents families. Some rough data about inclusion into local food chains and the desire for new knowledge and preference of the way of obtaining them. Results can be used as good starting point in planning the transmission of the knowledge in the frame of farmers circles. We tested the tool at the meeting of Farmers circle for organic farming of members of Deteljica Association of organic farmers situated in surroundings of Celje, Slovenia.

Documents are attached in Annex 5.