

# BASIC SCHOOL GARDEN SUBPROGRAMME



DEVELOPMENT OF 50 SCHOOL GARDENS  
DISTRIBUTED ALL OVER HUNGARY



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# FOREWORD FROM THE MINISTER OF AGRICULTURE

## Greetings to the Reader!

Environmental consciousness is a type of confidence that should be incorporated into the personality. For this, the more people should acquire this approach, already in childhood. For the Ministry of Agriculture, it is obvious, that environmental education is more than mediating environmental knowledge. Thus, we support the HUNGARIAN SCHOOL GARDEN DEVELOPMENT PROGRAMME, starting with the Basic School Garden Subprogramme in January 2019, coordinated by the Hungarian Foundation for School Gardens. In the framework of the subprogramme, 50 schools have been supported to form or to develop a school garden. Via the SCHOOL GARDEN DEVELOPMENT PROGRAMME, we have created an initiative that fits the City Agricultural Policy programme, utilizing the innovations of the Hungarian Foundation for School Gardens relying upon the experiences of the Hungarian School Garden Network.



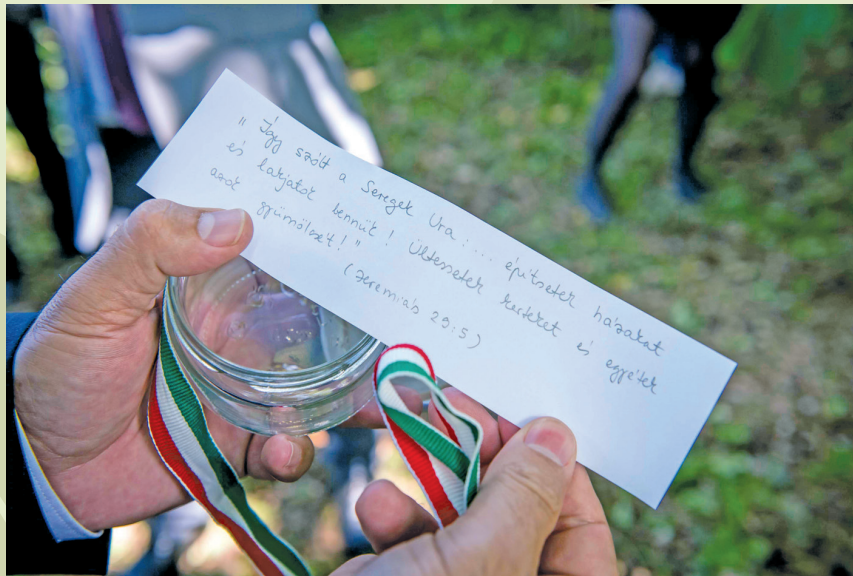
School gardens are the most effective scenes of environmental education, having diverse functions both in the aspects of upbringing and education. It is not an overstatement that the significance of school gardens goes beyond the gardens themselves. A well-developed school garden is an outdoor classroom, a living laboratory, in which the children receive essential observations of natural sciences, and have the opportunity to practice what they have learnt in theoretical classes. While they get to know the cycles, the operation and the beauty of nature, they also learn to respect and protect the soil, the flora and the fauna. By developing an ecological approach, they learn the economical and effective use of natural resources as well as the basics of organic agriculture. Gardening practice develops their sense of responsibility, and group activities advance their social skills. It is an excellent tool to introduce a world of work to the emerging generations, thus helping them in learning to appreciate what they create with their own hands.



At the same time, school gardens are also important scenes and tools in health education. In the school garden, children greatly improve their health by their regular outdoor activities, and by consuming the wholesome fruits and vegetables grown at the spot. The direct sale of the good quality and nutritious food also sets an example for the local communities and participants in the aspect of individual and corporate welfare.

We trust that the regular activities done in the school gardens exhort the love of fertile soil and nature in the students, bringing them closer to agriculture, thus helping children to take roots in agricultural villages by securing their subsistence there. We hope, that the members of the School Garden Network, growing both in quantity and quality, all reflect the local and global commitment towards nature.

However, the persistent work of pedagogues and students is indispensable for success. I wish that they would be able to find plenty of joy, excitement and adventure in this noble responsibility while flourishing together!



Dr. István Nagy  
Minister of  
Agriculture

# STRUCTURE OF THE BASIC SCHOOL GARDEN SUBPROGRAMME

In the first phase of the HUNGARIAN SCHOOL GARDEN DEVELOPMENT PROGRAMME – with the support of the Ministry of Agriculture, and with the professional coordination of the Hungarian Foundation for School Gardens – we have started the Basic School Garden Subprogramme, in which the Ministry of Agriculture made possible the development of 50 institutions. For the appeal, more than 330 schools applied within two weeks, from all of the counties of Hungary, both from great cities and from the smallest borderline villages. This multiple oversubscription pointed out the general need of creating school gardens both as revisited educational spaces and as experience-based tools of education.

Development  
has started in  
4 levels  
5 categories  
altogether at  
50 locations

## MENTOR

Such institutions, who, according to their experience of several years, took the role of regional mentors – 5 schools

## ADVANCED

Institutions having an operating school garden – 10 schools

## SUPPLEMENTARY

Institutions in Nógrád county, also taking part in the pilot school garden programme called 'Earth Rotators' started in 2018 – 8 schools

## BEGINNER 1

Institutions having outdoor raising capabilities – 22 schools

## BEGINNER 2

Institutions without outdoor raising capabilities – typically inner city institutions – 5 schools

**During content creation, our reference points were the experiences of the Hungarian School Garden Network and the National School Garden survey of 2018.** The elements reinforcing each other are structured in order that the result would be long-term sustainable school gardens.



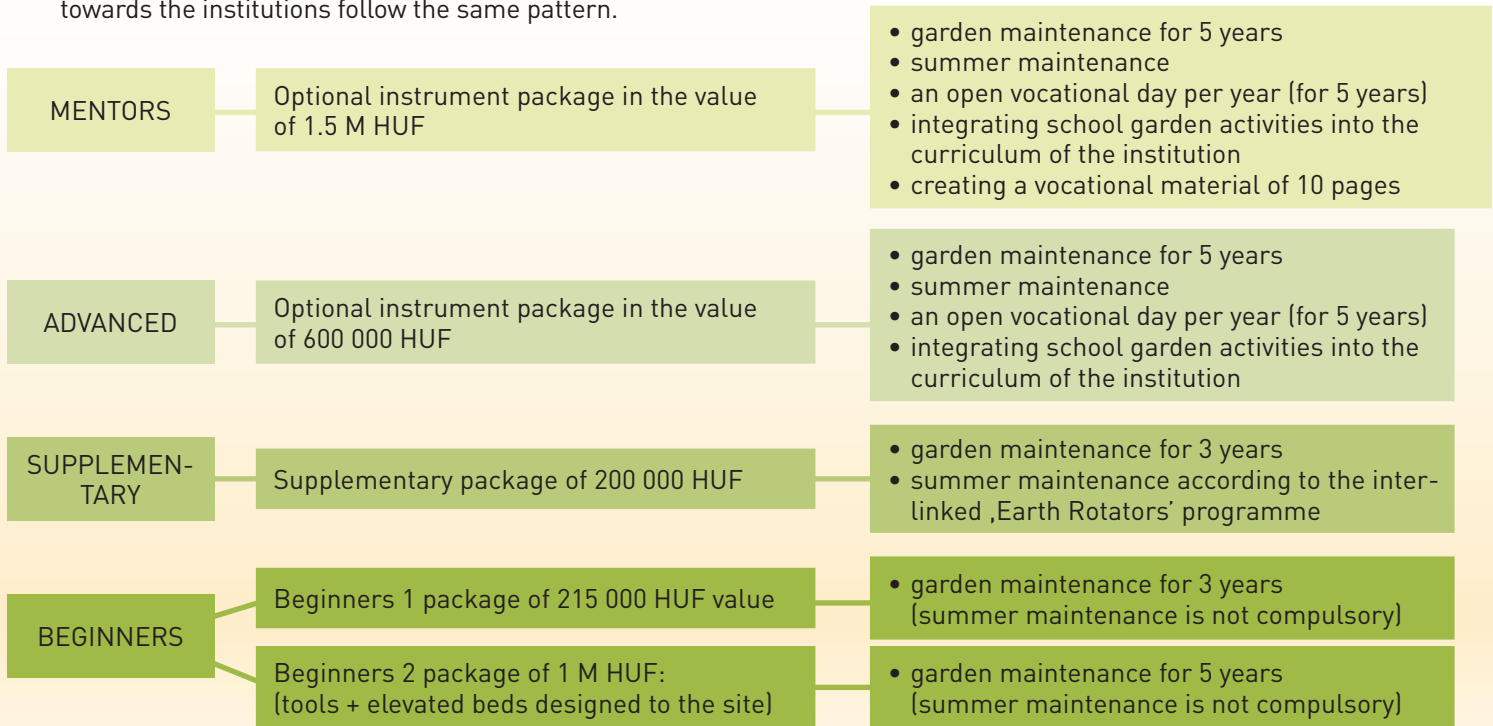


# ELEMENTS OF THE PROGRAMME



## LEVELS OF INSTRUMENT PROVISION AND PROFESSIONAL EXPECTATIONS

Different categories have different level of instrument support within the programme, and the professional expectations towards the institutions follow the same pattern.





## Tools and Instruments

Beginner gardens have received a unified package containing all the gardening tools for starting the project, an affluent seed package and a composting frame.

Advanced participants and mentors had the opportunity to choose from a set consisting of about 100 elements:

- *essential gardening tools, to recoup their shortages*
- *small machines for the easier maintenance of greater areas (e.g. rototiller, chipper shredder)*
- *water collecting instruments (e.g. rainwater harvester, rainwater container, sub-pump)*
- *Instruments for biological protection (e.g. containers, manual sprayers)*
- *tools for fruit tree tending (e.g. clippers, branch cutter, budding-knife)*
- *instruments for scientific observations (e.g. weather station, thermometers, magnifying glasses)*
- *tools for processing fresh crop (e.g. blender) and for conserving the greater quantity harvest (e.g. solar collector powered and electric evaporators, drying net, automatic preserver)*
- *glasshouse, garden- and indoor plant-grower, shed for tools, composting equipment*
- *elements for an outdoor classroom (desks, benches)*

The packages contained both traditional horticultural tools as well as less-known, although very useful instruments of ecological horticulture (scuffle, cultivator, spading-fork). Owing to the various sizing of long and short handles both the lower and higher grade students can easily use the necessary tools and instruments.

## Seed packages

All of the included seed were untreated, to guarantee safe use in any age group. An important consideration was to provide Hungarian breeds, well adapted to the local climatic conditions. The package also contained seed-bands as a trial option for the smaller ones and green manure plants for making summer maintenance easier.



Reception of tools at the School Garden in Győr





## TRAINING OF GARDEN LEADERS

The garden leaders have taken part in a 30-hour accredited training for pedagogues, entitled: *School Garden Basics – Training for the Development and Operation of School Garden with Ecological Approach*. The 2x2 days long, mostly group-based training were held on locations with a well-developed school garden practice for years, thus the participants had the opportunity to take a look into the structure and activity methods of two school gardens. The thematic of the training ensured that the participants

would become able:

- to make plans for the development and the continuous operation of the school gardens;
- to understand and exploit the role and pedagogical possibilities of school garden activities in the aspects of the own subject/field of education, and to discover the connection points with other subjects/areas.



*Garden tour in Homoktövis (Hippophae) Primary School, Budapest*



*Creating seed-bands in the Fehérlófia Waldorf Primary and Secondary School at Nemesvámos*



- Get to know the criteria of using the school garden as a practice ground for environmental education to attach these to their eco-school work plans in an integral manner.
- Gain expertise in social- and community-development possibilities offered by the school garden.
- Get to know useful Hungarian and international practices, well-operating school gardens, and provide the possibility of consulting with garden leaders having practical experiences.
- Understand the principles of ecological/organic farming, its special methods in school gardening, and to become able to gain knowledge in this field individually.



*Looking into the gardening notes of students at Gönczy Pál Primary School of Debrecen*



*Teamwork at the Waldorf School at Gödöllő*

## PEDAGOGICAL MENTORING



Working in school gardens also requires skills with children besides gardening expertise, and knowing the principles, methods and particularities of working with students there is indispensable. Upon creating the programme, we aimed to provide schools with not only the 'hardware' but with the 'software' too, namely the essential knowledge of the use of school gardens. Besides general training, it was ensured by advisory service based on the knowledge of local conditions. The mentors were practicing leaders with several years of experience in school gardening, advising and pedagogic training, who also knew the members, endeavors and problems of the network. In each case, they aimed to adapt garden activities to the basic responsibilities and peculiarities of the given institute. They discussed organizational questions in detail and offered vocational literature, successful practices and trustworthy solutions. It was also important for them to stay connected to accomplish further corporate goals.

## GARDENING MENTORING

We asked our gardening mentors about their observations. Some quotes from them:

*'I always consider mentoring useful and important. On one hand, it is an opportunity to shape one's approach, being a guideline amongst gardening responsibilities. On the other hand, this outward relationship and attention can be a motivating force, urging creativity – as I have experienced it several times.'*

– Bernadett Bánki-Miklós, gardening mentor – conductor, bio-gardener

*'I have quite different observations in each school. There was an advanced school, welcoming and constructively using the opportunities provided by gardening mentorship, and there was a beginner institute with house-gardening experiences, being quite repulsive at first. Here, it took some time for them to accept the ideas and suggestions. A real breakthrough came after the first training, when their enthusiasm has leaped, seeing the adaptable good practices of other schools.'*



As organic gardening is typical in school gardens for safety and ecoliteracy reasons, organic farmers and experts were sent from the Hungarian Biokultura Federation for the mentoring.



*'After that, the schools were looking for us with their questions.'*

– Borbála Pólyáné dr. Hanusz university lecturer

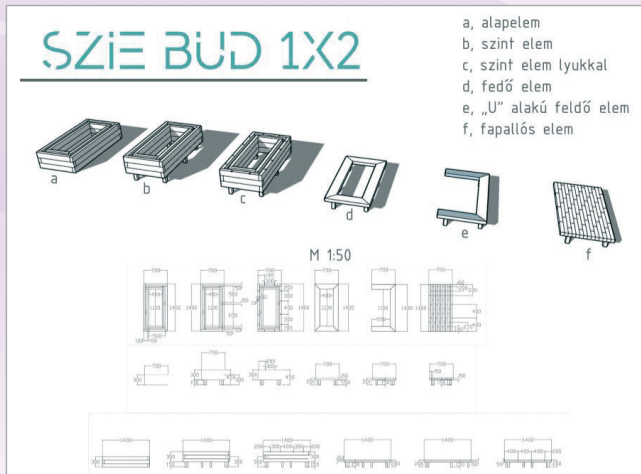
*'Mentorship is necessary anyways, but in a various extent. The diversity of it has made the process really exciting. The best part was the corporate work with children.'*

– Péter Buzogány, teacher of horticulture

# LANDSCAPE ARCHITECTURE MENTORING



*SZIE plan-presenting day*



*Design plans of a modular element family*

Basic School Garden Subprogramme had a separate category – Beginners 2 – for inner-city schools, typically lacking gardening surfaces. For them, we provided raised beds and landscape architecture mentoring to help starting their school garden activities. Landscape architectural cooperation was obtained by the Faculty of Landscape Architecture and Urbanism of Szent István University. The planning took part with the contribution of students, led by university consultants, with multiple local inspections and cross-checking of plans, in two phases:

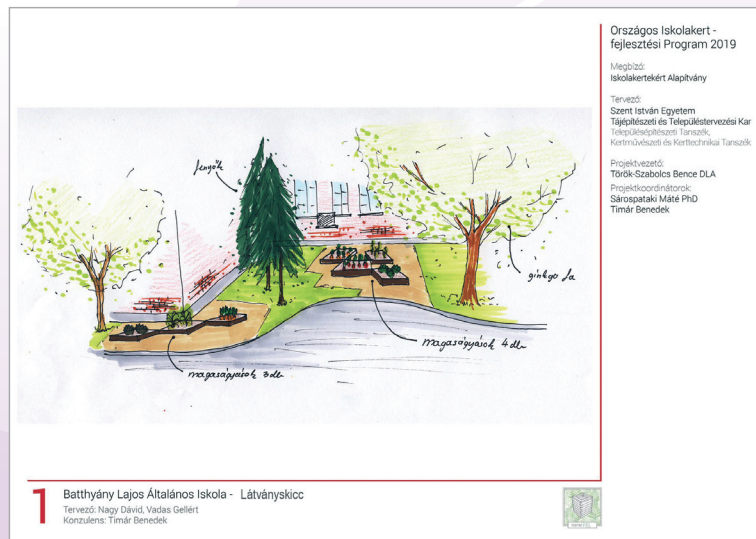
- In a tender for planning a modular element family for school gardens, the idea of Alexandra Szentkúti and Szabolcs Pusztai, called 'Garden Up', was chosen from the applications of 40 student pairs, which laid down the foundations for fractionally expandable school gardens by the creation of Lego-like extendable elements.
- At five locations, the ideal place for a school garden was chosen within schoolyards, and the place was set up with the use of modular elements. Based on the freely designed maximalist conceptions, the realistic first phases of execution were also set, within the financial limitations of the programme. Schematics, visualizations, layout plans were made.

The raised beds were manufactured by carpenters, and together with the soil, were transported to the schools, where they were placed into their appointed location during a corporate construction day.

Upon summarizing planning observations, Dr. Bence Szabolcs-Török – lecturer of the coordinating Faculty of Landscape Architecture and Urbanism – has also created a list of landscape architecture aspects for the composition of school garden conception, installation and setup.



Corporate Garden Construction Day  
at Lurkó School garden

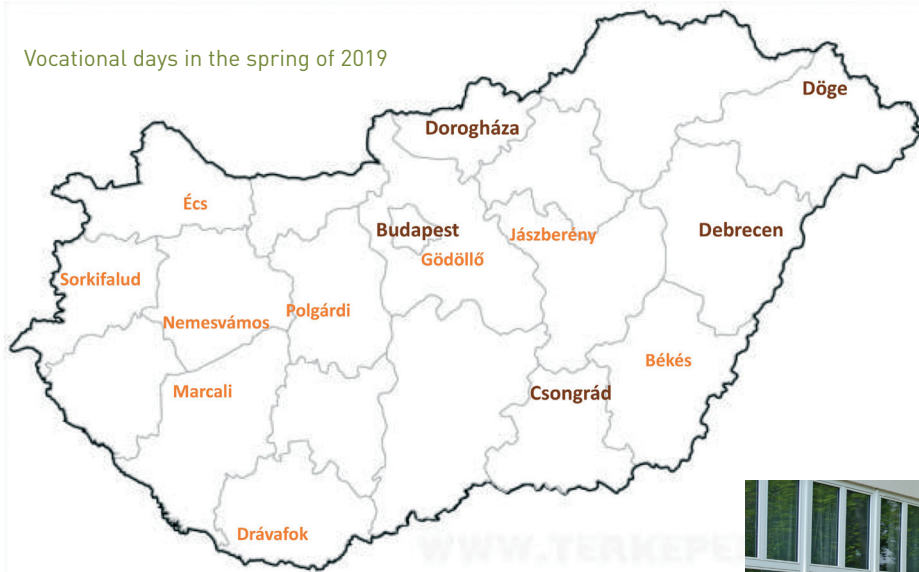


Visualisation of Lurkó School garden of Batthyány Lajos Primary School



# VOCATIONAL DAYS IN ADVANCED AND MENTORING GARDENS

Vocational days in the spring of 2019



The school gardens participating in Advanced and Mentor categories have been operating for several years, some of them with a multi-layered system of activities embracing a whole year. One of the important goals of the programme was to provide an opportunity for the garden workgroups of these schools to present their valuable works to affect other interested communities in their environment as a motivating force.

A definite goal was also to exhort the organization of regional workgroups all over the country, with good local examples, and with the integration of local participants.

*Informational meeting for pedagogues  
at Homoktövis Primary School, Budapest*







*Introductory walk at the spice garden of the School of Döge*



*Presentation at the open vocational day at Jászberény*



ORSZÁGOS ISKOLAKERT-FEJLESZTÉSI PROGRAM  
„Iskolakert Alapozó Alprogram 2019”



## MEGHÍVÓ

**Nyitott iskolakertlátogatási alkalomra és szakmai napra**



**Időpont: 2019.05.15., szerda 12.35 - 13.45 óráig,**

**Helyszín: 8248 Nemesvámos, Szomolya u. 17.**

*Invitation letter of the open vocational day for the school at Nemesvámos*

During the six months of the programme, 15 open vocational days were organized in school gardens nationwide, to which the leaders and teachers of regional institutions, their maintainers, as well as vocational and non-government organizations were also invited.



# PARTICIPATING SCHOOLS AND THEIR RESULTS

## KEZDŐK



### **K1.1. Ács / Komárom-Esztergom County** **Gárdonyi Géza Primary School of Ács**

Area: 100 m<sup>2</sup> / 506 participating students involved

Parts: vegetable garden and fruit bushes (red currant, raspberry, jostaberry, gooseberry, blueberry, blackberry, fig, grapes, hazelnut, cornelian cherry), composter

*Plans: landrace fruit trees, ecological presentation areas*

*Supporters: mayor, local businessmen, parents*

### **K1.2. Adony / Fejér County**

#### **Szent István Primary and Basic Art School of Adony**

Area: 200 m<sup>2</sup> / 148 students involved – 5-8<sup>th</sup> grades involved

Parts: vegetable garden, flower walk, composter, fireplace

*Plans: furnace, garden classroom, rock garden*

*Motto: 'Produce it and consume it yourself!'*





### **K1.3. Dombóvár / Tolna County**

#### **Eszterházy Miklós Vocational School and Dormitory of Szekszárd SzC**

Area: 40 m<sup>2</sup> / with 65 students involved (cook, kitchen assistant, village host) involved

Parts: vegetable garden, fireplace (w/ help of mason students), flower window-boxes (w/ help of carpenter students), composter

*Connections: 'Trendy canteen' programme, programmes decreasing school dropouts*

### **K1.4. Eger / Heves County**

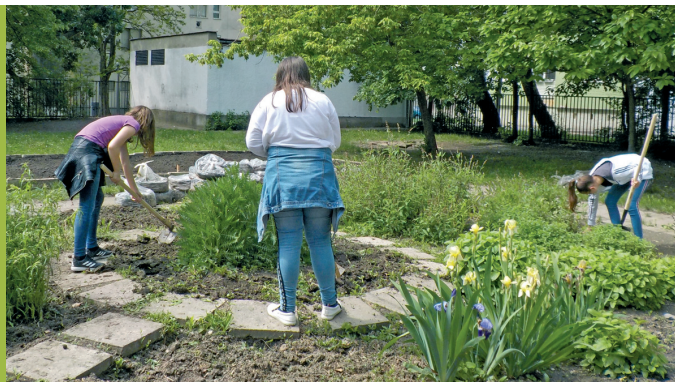
#### **Tinódi Sebestyén Hungarian-English Bilingual Primary School of Balassi Bálint Primary School**

Area: 40 m<sup>2</sup> / 7 beds / 60 students involved / 6-7<sup>th</sup> grades

Parts: vegetable garden, herb garden, composter, rock garden

*Plans: honey flowers and spice garden, berry bushes, barefoot sensory path, raised beds, involvement of lower grades*

*Supporters: local businessmen/parents (soil works)*





**K1.5. Esztergom / Komárom-Esztergom County**  
**Montágh Imre Special Needs Kindergarten, Primary School, Vocational School and Skills Development School of Esztergom**

Area: 40 m<sup>2</sup> class seed beds / 40 students involved

Parts: vegetable garden, flower garden, composter, glass house, landrace fruit trees and grapes fence

*Supporters: local Gardening Circle, GreenDependent Institute (regional fruit trees)*

**K1.6. Igal / Somogy County**

**Batthyány Károly Primary School of Igal**

Area: 50 m<sup>2</sup> / 60 students involved

Parts: vegetable garden, composter

*Plans: expanding, flowers, 'pollinating restaurant'*

*Supporters: local government, local businessmen*





### **K1.7. Keszthely / County**

#### **Egry József Primary and Basic Art School**

Area: 40 m<sup>2</sup> / 10 special education students involved

Parts: vegetable garden, composter

*Plans: fruits and grapes, separate flower beds, tea-garden, bird nests, processing*

*Motto: 'Earth gives strength!'*

### **K1.8. Madaras / Bács-Kiskun County**

#### **Madarasi Petőfi Sándor Primary and Basic Art School of Regional Primary and Basic Art School of Bácsalmás**

Area: 200 m<sup>2</sup> / 90 students involved

Parts: vegetable garden, composter, fruit trees, fireplace, resting court

*Plans: comprehensive study of organic farming, profession orientation of students*

*Supporters: local government by the provision of the area*





**K1.9. Pecöl / Vas County**

**Zichy Antónia Primary School, Gróf Erdődy Ferenc Member School**

Area: 60 m<sup>2</sup> / 26 students involved / 4<sup>th</sup> grade

Parts: vegetable garden, raised beds, pot garden for flowers, composter

*Supporters: local government workers, parents, Rózsamajor Agricultural Cooperative*

**K1.10. Pécs / Baranya County**

**Kodály Zoltán Dormitory of Pécs**

Area: 60 m<sup>2</sup> / 18 dormitory students involved / „DORMITORY GARDEN”

Parts: vegetable garden, composting, fruit bushes, herbs and spices, birds basin

*Plans: restart of cooking study group, selective organic waste collection and composting, school garden workshops*





**K1.11. Pusztamagyaród / Vas County**  
**Kenyeres Elemér Primary School of**  
**Pusztamagyaród**

Area: 200 m<sup>2</sup> / 53 students involved – higher grades  
1-1 class parcels, a corporate seed bed for lower grades

Parts: vegetable garden, composter

*Plans: fence, insect hotel, indigenous fruit trees*

*Supporters: local government*

**K1.12. Sajószentpéter / Borsod-Abaúj-Zemplén**  
**County**

**Pattantyús-Ábrahám Géza Vocational School of**  
**Ózd Vocational Centre**

Area: 80 m<sup>2</sup> / 60 students involved

Parts: vegetable garden, composter

*Plans: fireplace, discovery of local farmers, herb spiral*





**K1.13. Sály / Borsod-Abaúj-Zemplén County**  
**Gárdonyi Géza Primary School of Sály**

Area: 330 m<sup>2</sup> / 162 students involved

'GREEN GOLD-garden'

Parts: vegetable garden, composter

*Plans: 'pickles of Sály' product development, fireplace, outdoor classroom, planting fruit trees*

*Supporters: local government, Foundation for Sály*

**K1.14. Szarvas / Békés County**

**Slovakian Primary School Kindergarten and Dormitory**

Area: 120 m<sup>2</sup> / 200 students involved / at the court of Slovakian Country House

Parts: vegetable garden, composter, wasp garage, flowers, fruit bushes and trees, bilingual vegetable markers

*Supporters: local Government of the City of Szarvas, Slovakian Minority Local Government*







**K1.15. Szeged** / Csongrád County

**Szeged and Region Eötvös József Secondary School,  
Kossuth Lajos Primary School**

Area: 600 m<sup>2</sup> / 60 students involved

Parts: vegetable garden surrounded by Szőregi rose bushes (Hungaricum!) with raised beds, composter, strawberry garden

*Plans: raspberry and hazelnut plants, resting corner, rose gate, preserving the traditions of rose gardening*

**K1.16. Szekszárd** / Tolna County

**I. Béla Secondary School, Dormitory and Primary School of Szekszárd**

Area: 60 m<sup>2</sup> / 80 students involved

Parts: vegetable garden, composter

*Plans: growing annual flowers and evergreens for graduation ceremonies, raised beds, bee-field, Land-Art compositions*





**K1.17. Szentpéterszeg / Hajdú-Bihar County**  
**Fekete Borbála Primary School of Irinyi Károly**  
**Primary and Basic Art School**

Area: 80 m<sup>2</sup> / 80 students involved

Parts: vegetable garden, flower garden, herbs, elder bushes, composter, dug well

*Plans: barefoot sensory path, resting area*

**K1.18. Szolnok / Jász-Nagykun-Szolnok County**  
**Kőrösi Csoma Sándor Primary and Basic Art School**  
**of Szolnok**

Area: 40 m<sup>2</sup> / 33 students involved

Parts: vegetable garden, composter, railing for flowers

*Plans: creating an edible playground*

*Supporters: Bereczki Máté Circle of Farmers*





**K1.19. Tarnaméra / Heves County**  
**Primary School of Tarnaméra**

Area: 130 m<sup>2</sup> / 48 students involved

Parts: vegetable garden, composter

*Plans: protection of the garden, resting area*

**K1.20. Tiszaalpár / Bács-Kiskun County**  
**Árpád Fejedelem Primary School of Tiszaalpár**

Area: 256 m<sup>2</sup> / 34 students involved

Parts: vegetable garden, dripping watering system, herb garden

*Plans: area extension, discovering the local traditions of red paprika production*

*Supporters: local government*





**K1.21. Tiszadob** / Heves County

**Széchenyi István Primary School and AMI of Tiszadob**

Area: 100 m<sup>2</sup> / 60 students involved

Parts: vegetable garden, flower garden, composter

*Supporters: Tiszavirág Anglers Nature and Environment Protection Association*

**K1.22. Várpalota** / Veszprém County

**Inota Member School of Várkert Primary School**

Area: 1150 m<sup>2</sup> / 30 students involved – 'Inota-kert'

Parts: vegetable garden, class seed beds, corporate fruit garden, sun garden for birds, bee luring flower garden, mini weather station

*Plans: raised beds, outdoor toys, bean tent, fireplace*

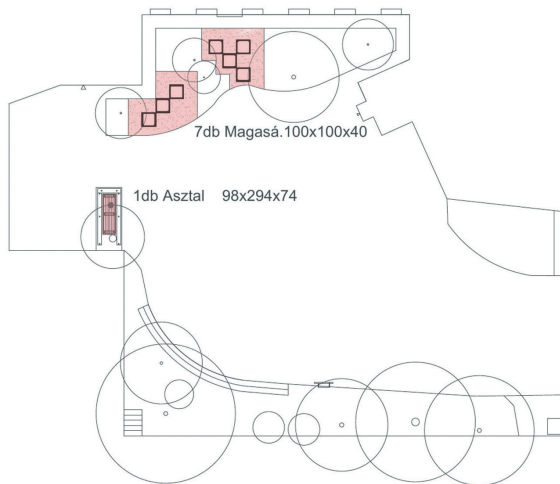




# BEGINNERS WITH RAISED BEDS



*The five school gardens implemented with raised beds are good examples that even schools without adequate soil should not give up on school garden activities. In such cases, on a separated, preferably undisturbed part of the schoolyard, with the use of raised beds we can also create the surfaces suitable for growing plants, preferably also using the possibilities of vertical climbing of plants. The ideal use of small places was also helped by landscape architectural mentoring within this category.*



Országos Iskolakert -  
fejlesztési Program 2019

Megbízó:  
Iskolakertekért Alapítvány

Tervező:  
Szent István Egyetem  
Tájépítészeti és Településtervezési Kar  
Településképzési Tanszék,  
Kertművelési és Kerttechnikai Tanszék

Projektvezető:  
Török-Szabolcs Bence DLA  
Projektkoordinátorok:  
Sárosspataki Máté PhD  
Timár Benedek

M 1:150

Jelmagyarázat:

- Kijelölt fejlesztési terület
- Szamóca Oszlop
- Magaságys
- Komposztáló
- Asztal
- Pad
- Meglévő növények

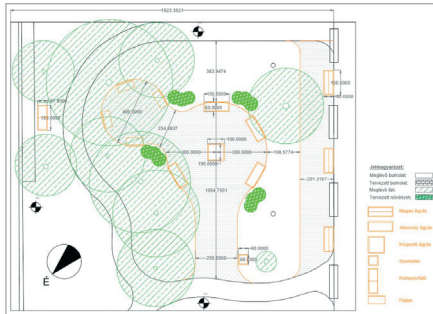


**K2.1. Budapest, district I. -  
Batthyány Lajos Primary School of  
Budapest, district I.**

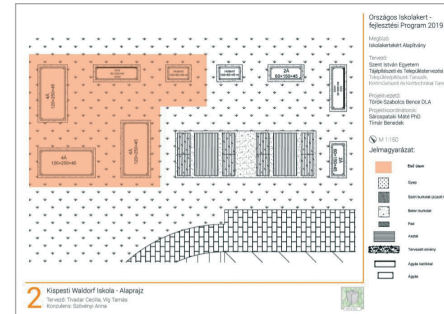
**Provided: 7 pcs. of raised beds and  
a big table serving as outdoor class-  
room**



**K2.2. Budapest district XIV. – Movement Correction Kindergarten, Primary School, Secondary School, Vocational School, Special Needs School and Dormitory**  
**Provided: 5 pcs. of raised beds and a hotbed for raising plants**



**K2.3. Budapest, district XIX. – Waldorf Kindergarten, Primary and Basic Art School, Secondary School**  
**Provided: 3 pcs. of raised beds with bigger area, a climbing mount, and a hotbed for raising plants**



## K2.4. Budapest district XVIII. – Treasures of Wesley Primary School and Secondary School

Provided: 2 pcs. of raised beds, a climbing mount, a strawberry column, a hotbed for raising plants and 4 benches



Országos Iskolakert-  
fejlesztési Program 2019

Megbízó:  
Iskolakertért Alapítvány

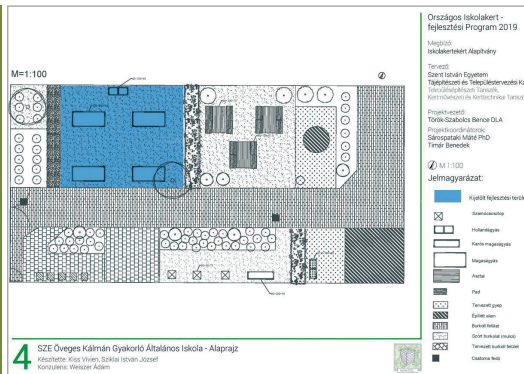
Tervező:  
Szent István Egyetem  
Tájépítészeti és Településtervezési Kar  
Tájépítészeti Tanszék,  
Környezetvédelmi és Kertészeti Tanszék

Projektvezető:  
Török-Szabolcs Bence DLA  
Projektkoordinátorok:  
Sárospataki Mária PhD  
Timár Benedek



## K2.5. Győr – Öveges Kálmán Practicing School of Széchenyi István University

Provided: 4 pcs. of raised beds with bigger area and a hotbed for raising plants





## SUPPLEMENTARY – 'EARTH ROTATORS'



The schools of supplementary category in Nógrád started the creation of their school gardens within the pilot program for Nógrád County called 'Earth Rotators' in 2018. During this, seed beds of 80 m<sup>2</sup> area, berry fruit gardens, herb gardens, composting, plant raising facilities, birdhouses and feeders have been created; the Hungarian Chamber of Agriculture of Nógrád County organized a supportive farmer for each school, who provided the manure for preparing the soil. As parts of the program, the schools still enjoy the help of a local expert, visit agricultural vocational schools and farmers, collect herbs with the students, design garden logo and organize green buffet.

Essentials subprogram has integrated 'Earth Rotators' schools in the spirit of innovation, providing a supplementary uniform instrument package for them. After a half year of the corporate program, these schools can continue their previously started profession orientation school garden programs.



### **FF1. Balassagyarmat – Kiss Árpád Primary School**

Work with 5-6-7<sup>th</sup> graders during engineering classes – approx. 60 students



### **FF2. Bárna – Primary School of Bárna**

The gardeners are in 4<sup>th</sup> grade, their chosen name is 'School Grove', they've even installed a scarecrow in the garden.





**FF3. Cserhátsurány – Szent Imre Catholic Primary and Secondary School**

*Planting in classroom, preparing for spring.*



**FF4. Héhalom – Primary School of Héhalom**

*Accepting school, whose 4H program interlinks well with the school garden – receiving the supplementary instrument package of Basic School Garden Subprogramme with excitement.*



**FF5. Magyaránádor – Primary School of Magyaránádor**

*They received a place at the court of the local country house, but during winter they have bred their herbs in the glass corridor of the school.*



**FF6. Nógrádkövesd – József Attila Primary School of Nógrádkövesd**

*30 enthusiastic children have joined in, even choosing a name for themselves. They are very proud of their garden.*



**FF7. Órhalom – József Attila Primary School**

*This garden is too big for the small ones, but working together with the high graders they can greatly advance garden works.*



**FF8. Tar – Kodály Zoltán Primary School**

*The school garden is located near the school, in an open field area. The old neighbor inspects the planting of small trees... Help is appreciated!*



# ADVANCED PARTICIPANTS



## **H1. Békés / Békés County**

### **Dr. Hepp Ferenc Primary and Basic Level Art School**

School garden operating in 160 m<sup>2</sup> since 2015 – vegetable garden, flower garden, strawberry hoop garden, herb garden, rock garden, scarecrow.

*Development: rainwater collecting facilities, instruments for science experiments, small machinery*

## **H2. Budapest district XVIII.**

### **Vörösmarty Mihály Musical, Linguistic Primary and Secondary School**

Their school garden has been operating since 2017 on 450 m<sup>2</sup>: 5 raised beds, herb and bedding plant garden, fruit bushes, composter

*Development: rainwater collection, outdoor classroom*





**H3. Drávafok / Baranya County**

**Csikesz Sándor Primary School of the Reformed College of Pécs**

A school garden operating since 2012 on a 1 hectare area – vegetable garden, herb garden, breed saving fruit garden, successional hayfield, composter, silence-forest, garden pavilion

*Development: solar powered fruit dryer and processing tools, instruments for science experiments*

**H4. Écs / Győr-Moson-Sopron County**

**Écsi Petőfi Sándor Primary and Basic Art School**

School garden operating since 2013, on an area of 120 m<sup>2</sup> – vegetable garden, herb garden, breed saving fruit garden, composter, forest connection: "Hikers" path-educational forest path

*Development: outdoor classroom, processing tools, plant raising equipment*





**H5. Gödöllő** / Pest County

**Waldorf Primary and Basic Art School of Gödöllő**

School garden operating since 2004 on 1000 m<sup>2</sup>: vegetable garden, herb garden, rose grove, fruit trees, grape fences, pit, birdwatch, wet living environment, animal farm (goats)

*Development: horticulture machinery, plant growing equipment, processing tools*

**H6. Jászberény** / Jász-Nagykun-Szolnok County

**Szent István Avenue Special Needs Education Primary School, Vocational and Ability Development School**

Their school garden operates since 2013, on 450 m<sup>2</sup>: vegetable garden, herb garden, flower garden, composter, raised beds

*Development: glasshouse*





### **H7. Marcali / Somogy County**

#### **Marcali Hétszínvirág Member Institution of Somogy County Duráczy Special Needs Institution**

*School garden since 2017 operating on 200 m<sup>2</sup> – vegetable garden, herb garden, raised beds, composter*

*Development: rain collection, extension of essential tools, outdoor classroom*

### **H8. Nemesvámos / Veszprém County**

#### **Fehérlófia Waldorf Kindergarten, Primary School, Secondary School and Basic Art School**

Their school garden has operated since 2009 – this year it was extended to 2000 m<sup>2</sup>: vegetable garden, herb garden, spice spiral, flower garden, composter, educational beehives, fireplace, poultry keeping

*Development: Tool shed in the new garden*





**H9. Polgárdi / Fejér County**

**Kossuth Lajos street 185. Station of Polgárdi Széchenyi István Primary and Basic Art School**

Their school garden has operated since 2015 on 1200 m<sup>2</sup>: vegetable garden, herb garden, berry fruit bushes, fruit trees

*Development: composter, processing tools, outdoor classroom, gardening machinery*

**H10. Sorkifalud / Somogy County**

**Gárdonyi Géza Primary School of Sorkifalud**

*School garden of 200 m<sup>2</sup> since 2008 – vegetable garden, herb garden, recycled raised beds, composter, bare-foot sensory path*

*Development: rainwater collection, extension of essential tools, outdoor classroom*







### **SIGNIFICANCE OF MENTOR GARDENS**

*Mentor gardens are the appointed centres of sharing school garden knowledge in each county. Typically, they have school garden workgroups and more than 5 years of experience, embedded in their pedagogic program, embracing a whole year.*

*In the course of the subprogramme, the preparation of five mentor gardens has been implemented. They receive those who inquire and are eager to learn as open school gardens and hold a vocational workgroup day annually during the five years of supporting period. Our goal is to make mentor gardens available in each county, as operating local pillars of Hungarian School Garden Network.*



**M1. Budapest / district IV.**

**Homoktövis Primary School of Újpest**

Operating a typical city school garden on 250 m<sup>2</sup> since 2012: separate beds for classes, vegetable garden, herb garden, spice spiral, flower garden, composter, willow hut, fireplace, toolshed

*Development: outdoor classroom, extension of tools, processing tools, extension of rainwater collection, raised beds and plant climbing facilities*



**M2. Debrecen / Hajdú-Bihar County**  
**Gönczy Pál Primary School of Debrecen**

School garden operating since 2003 on 3000 m<sup>2</sup> – vegetable garden, herb garden, raised flower beds, composter, glasshouse, regional fruit trees, solar powered fruit dryer, rock garden

*Development: extension of essential tools, raised beds, plant growing facilities, processing tools (drying, preservation), instruments for science experiments.*

**M3. Dorogháza / Nógrád County**

**Móra Ferenc Member School of Aba Sámuel Primary School**

Their school garden operates since 1962 – on 2700 m<sup>2</sup>: vegetable garden, fruit trees, flower garden, herb garden, composter, brook

*Development: toolshed, outdoor classroom, extension of tools, rainwater collection, plant raisers, garden machinery, processing tools*





#### **M4. Döge / Szabolcs-Szatmár County**

##### **Ölbey Irén Primary School**

School garden operating on 2000 m<sup>2</sup> since 2009 – vegetable garden, herb garden, raised seed beds, composter, regional fruit trees, Garden of Knowledge, dendrological educational path, botanical garden

*Development: extension of essential tools, tools for science experiments, raised flower beds, plant-raisers, toolshed*

#### **M5. Csongrád / Csongrád County**

##### **Csongrád and Area Széchenyi István Primary School, Basic Art School and Dormitory**

Their school garden has operated since 2011 – on 1750 m<sup>2</sup>: vegetable garden, fruit garden, flower garden, glasshouse, ornithological educational path, herb garden, garden with dye plants, composter, animal friendly garden, furnace

*Development: extension of essential tools, outdoor classroom, garden machinery, processing tools, tool shed*



# CELEBRATIONAL MOMENTS – GARDEN DEDICATIONS

The subprogram was an accentuated period in the life of each school gardens. Giving the excitement and beauty of creation for beginners, and bringing significant development, new opportunities to the activities they have started with their efforts in case advanced and mentor participants. The joy of implementation created ceremonial moments, school garden dedications, instrument presentations.

The celebrations provided an excellent opportunity for the teachers, students, and the representatives of maintainers and the supporting Ministry of Agriculture, local Pedagogical Educational Centers, gardening circles, NGOs for meeting and for having a free conversation. These were also great occasions to allow inquiring schools to catch a glimpse, and the media publications helped to spread the fame of the local school garden, bringing in new participants and supporters.



The celebrations started at DrávafoK, at the Csikesz Sándor Primary School, where Dr. István Nagy, Minister of Agriculture presented the instruments: 'An emphasized goal for the Ministry of Agriculture to train a future generation with liable thinking and taking the responsibility for their environment.'

*'We love our garden, as it is a living ground for experiments, upholding, or even increasing the inbred curiosity of children. Brings nature close, provides an opportunity to present cause-and-effect relations, but also makes the concept of diversity, or material cycles visible' – a portion from the speech of Ibolya Lantosné garden leader.*



At the opening of the school garden at Szarvas, and at the instrument dedications of Dorogháza and Écs Tibor Zoltán László, vice secretary for environment protection has spoken to the students and pedagogues of the school: 'School gardens have an inestimable value, as well as the teachers leading them in the environmental upbringing of the rising generation. Green areas not only give fruits and crop to its tender nurturers, but also builds bridges between generations, creates communities, and in an unnoticeable manner it changes us to be responsible, ambitious people, sensitive for environment, purity and order'. (MoA Press)



# ADVANCEMENT OPTIONS FOR PARTICIPATING SCHOOLS

Sustainability had an accentuated importance during the programme – looking for sustainable solutions from an environmental aspect just as the sustainability of the operation of the school garden. Besides the durable, good-quality, carefully chosen tools, also the knowledge sharing served the same purpose.

Although the program ended with 30th of June, 2019, garden leaders will not be on their own. The **Hungarian Foundation for School Gardens** continues to help their work, try to solve their difficulties in the framework of the institutionalized system of relations of the Hungarian school gardens of the Carpathian Basin, the **Hungarian School Garden Network**, waiting for others to join.

## Why is it worth joining the School Garden Network?

- Members of the network receive news from the garden events.
- At events, workshops, **national meetings** they can learn further practices.
- They can apply to calls of proposals** for network members.
- They can receive **the series of publications entitled School Garden Booklets** for free.
- Using certain services for free.**

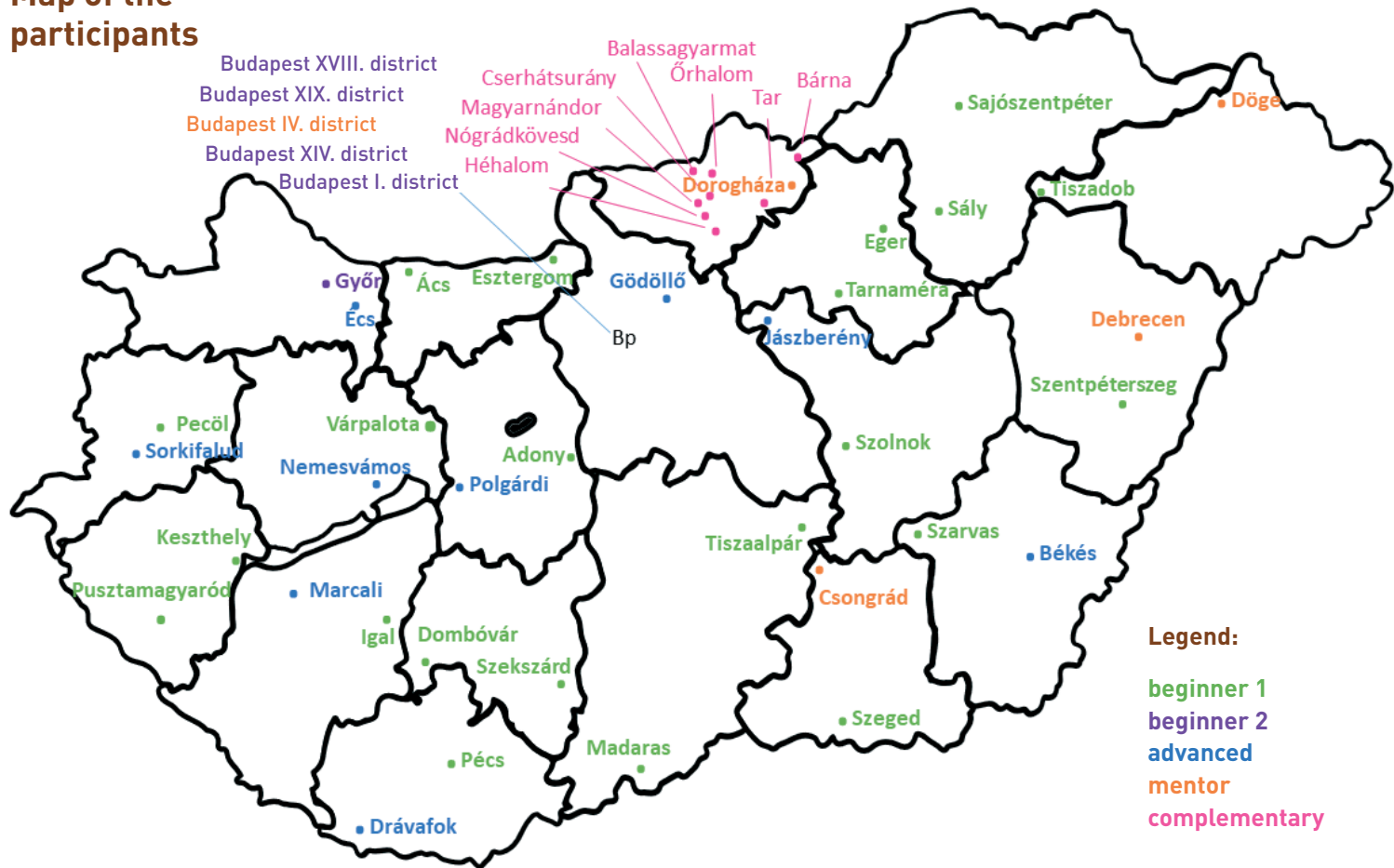
**The ways of joining can be found at the website of the Foundation: [www.iskolakertekert.hu](http://www.iskolakertekert.hu)**

The schools having a mentoring role in the subprogram also provide further practical advice and visiting and consulting opportunities in five counties.

An important task for the future is to internationally coordinate the school garden movement, so that garden leaders would be able to help each other over the borders too. The **map of school gardens in Central Europe** at the redesigned websites also serves this purpose.

Further development of operating school gardens will be provided by the planned **new subprogrammes** of the NATIONAL SCHOOL GARDEN DEVELOPMENT PROGRAMME in the future.

# Map of the participants



**The Ministry of Agriculture, the Hungarian Foundation for School Gardens, the Caritas Hungary (Diocese of Vác) and the Hungarian Chamber of Agriculture harmonized the own school garden initiatives and launched a national programme at the end of 2018.**

The first step of the **HUNGARIAN SCHOOL GARDEN DEVELOPMENT PROGRAMME** was the **Basic School Garden Subprogramme** starting in January 2019, sponsored by the Ministry of Agriculture, elaborated and transacted by the Hungarian Foundation for School Gardens. The Basic School Garden Subprogramme supports schools participating in the 'Soil Rotators' pilot programme (launched in 2018) in the extra 'complementary' category.



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