

FUSIONS Feasibility Study

Cr-EAT-ive Schools

22/04/2015



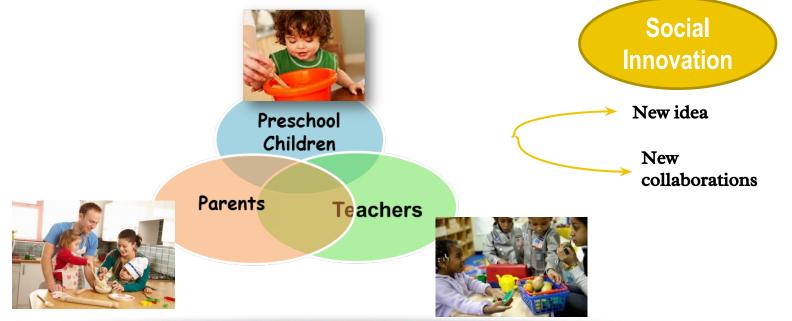


Initial Idea-Facts

...households with children tend to waste more food than families with no children (source WRAP)

... Eating behaviors, often practiced throughout life, are developed in early life

...teachers in collaboration with parents have key role in establishing eating and environmental friendly behaviors



ANA

IKI



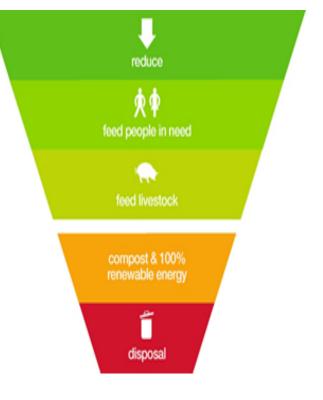
Objectives

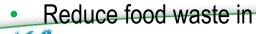
Raise awareness on food waste

• Enable behavior change towards food

waste reduction

- -Kindergarten children and educators
- -Parents
- -Kindergarden canteen cooks





Households with preschool children (aged 3-5 years old)







Cr-EAT-ive Schools Proposal

4 Local Authorities

4 Municipal, 2 Private Kindergartens

480 Children, 480 Families

7 Kindergarten Heads

25 Preschool Teachers

30 Parents Participate in the pilot actions

Duration: 04/2014-10/2015

Budget: 42.075 €





The methodology.....consultation with Kindergarten Heads of the proposed project

planning





1. Identify the most compatible way to integrate the "food waste reduction" theme to the curriculum and the educational procedure

2. Planning the projects actions (seminars, workshops) simultaneously with kindergarten's planned events to ensure the maximum participation of the parents.

A review on the existing educational material has been preceded





The methodologyDevelopment of a Pedagogical Guide to teachers and training of Preschool

Teachers

- Πρόληψη και μείωση
- των αποβλήτων
- Τροφίμων



Contents

- 1.Objectives
- 2. Project Description
- 3.All about food waste
- 4.Methodology
- 5.12 proposed actions/games with instructions6.Methodological approach of Innovative board game



Innovative game-Board game

Παιδαγωγικός οδηγός για παιδιά προσχολικής ηλικίας

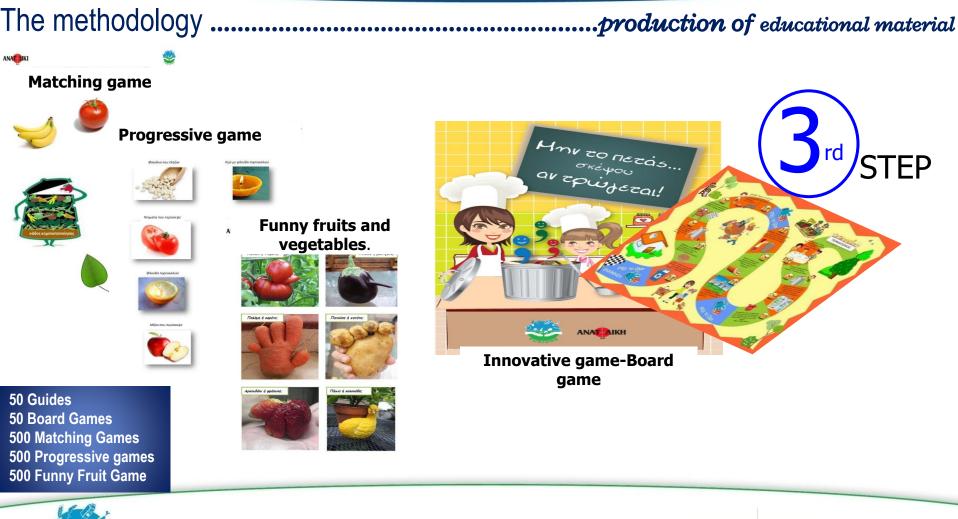
Pedagogical Guide to teachers

Seminar to Kindergarten Heads and preschool Teachers













The methodologyimplementation in class

1st Result came up...

Children started pressuring their parents not to throw away food!!





The methodology......selection of pilot parents_completion of 1st Food Waste



Welcoming to parents

Presentation of Cr-EAT-ive Schools to parents

Selection of pilot parents



1.Selection of Pilot Parents 2.Distribution of FWD

30 Pilot Parents in total



ΗΜΕΡΟΛΟΓΙΟ ΚΑΤΑΓΡΑΦΗΣ ΑΠΟΒΛΗΤΩΝ ΤΡΟΦΙΜΩΝ



Food Waste Diary





The methodology..





Presentation of the Guidelines at home



Guidelines for home

.....seminars to parents

ΈP

• The Seminars to all parents implemented simultaneously with a kindergarten event in order to ensure maximum participation of parents- in some cases leftover recipes prepared and served by the children to their parents

• The Guidelines contains simple advices on how to reduce food waste at:

Shopping and purchasing

- Storage
- Fridge
- Super market

And also leftover recipes, explanations on expiration dates and information about composting





The methodology.

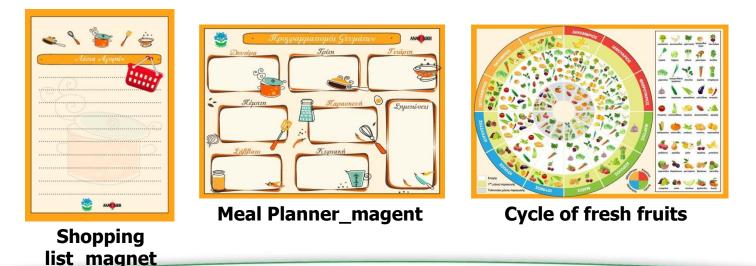
action

-Completion of the 2^{nd} FWD (**20%** less parents filled in the Diaries)

-Distribution of pilot action material to parents

-Interview with all pilot parents (Questionnaire_WRAP) in order to identify **Behavioral Change**









The methodology..





More than **1.000 parents** and their children participated in workshops "*Take the food in your hands*", organized by kindergartens and included activities and crafts with main ingredients fruits and vegetables not consumed because of their "ugly" appearance or because they were in surplus and legumes and nuts that had passed their expiry date.

.....

A **famous chef** in collaboration with children and their parents offered a special fruitsalad.

The Central Market of Thessaloniki supplied the event with over **100kg fresh vegetables and fruits**, that otherwise would been wasted, either because they were in surplus, or due to "ugly" appearance such as crooked carrots, ugly tomatoes and eggplant with "character".





The methodology......**Training seminars to kindergarten canteens**

On the way....



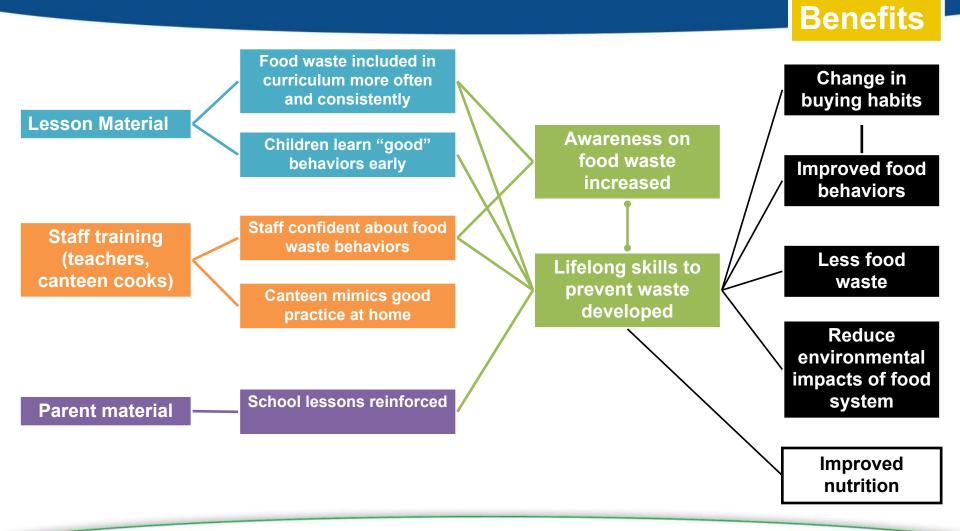




VSION

methodology Exercise Critical Control Contro Control Control Control Control Control Contro Contro	<u>Fact Sheet</u> <u>1st</u> <u>Kindergarten</u> Food Waste Diary Questionnaires	primary evaluation
expressage • Food Waste Reduction: \$6,78 % • Family Budget Reduction: \$6,71%. Reductor between 1 ^e and 2 ^{et} week (2 ^{et} week, parents were informed about the guidelines) ne average weight of food and drink waste per family, per year is 181,8 kg and cost 81,19 € before their information of food waste reduction guidelines at home and after errinformation 102,2 kg and costs 298,29 €. ne following diagram shows a clear reduction of food and drink waste in all food groups, isides the unavoidable food (psels, bones, roots). Weight of food and drink waste per Kindergarten, by food group Patibone sroots	 Key message Food Waste Reduction: 43,78 % Family Budget Reduction: 56,21% Reduction between 1st and 2nd week (2nd week, parabout the guidelines) average weight of food and drink waste per fat 181,8 kg average cost per family, per year 681,19 € Very organized effort, fine two stage 	amily, per year is as of provision of information gave enough time t food waste. At the same time the duration of th
es ooon wer gess Nots d Meda set holes es tobles 0,00 2,00 4,00 6,00 8,00 10,00 12,00 14,00 Total weight (kg) 2nd week Total weight (kg) 2nd week	 The diary helped me to have a real The pilot duration was not enough working on this on their own which is The material given to me was very hold on to and try to implement from 	picture of what I actually waste to change my behavior. Parents need to keep of a challenge comprehensive and helpful and something I ca
Reducing food wast	•The material had some new advice but I knew and implemented most thi	on how to minimize waste that I wasn't aware of ings anyhow f advice for all kinds of food. More people shoul

Concept Cr-EAT-ive Schools









Lessons learned

- Children responded perfectly to the issue of food waste and they have start pressuring their parents to stop wasting food
- ✓ Good relationships formed with parents through the seminars
- Parents can support children at home and reinforce messages
- Kindergarten Heads can replicate the methodological procedure to other Kindergartens.
- Effective engagement of Kindergarten Heads
- ✓ Integration of the project to Kindergarten activities and timetable in order to create synergies and ensure the maximum participation
- Easy to use pilot action material

Correlation with nutrition theme h social innovation





Policy Measures

Policy measures that have helped the Creative project.

- Overall education policy of municipality including topic of food waste prevention.
- Support of local municipality helped gain initial entrance (introduction) to kindergartens.
- Provision of location for the awareness event on 10th of May by the local municipality.
 Additional policy measures that would be useful for the project.
- Funding by local municipality of printing costs of awareness materials.
- Support by local municipality in replication of the project by encouraging other kindergartens to be engaged.
- Potential for local municipality to include the topic in curriculum for kindergartens
- Potential for Ministry of Education to include the topic in curriculum for primary schools
- Support from Ministry of Education to gain introduction to primary schools.







Thank you!

