"Empowering the Teacher of Tomorrow - TODAY"
1. GroenGelinkt in short
2. What problem did we solve?
3. What is GroenGelinkt all about?
4. For whom has GroenGelinkt been developed, who are the target audiences?
5. How does it work?
6. Achievements
7. Organisation, something about the project
8. For those who are really interested: GroenGelinkts extensive quality system for ESD lessons
GroenGelinkt inspires teachers, kindergarten staff, grandfathers and -mothers and many others by using online technology. They are called to action by finding specific lessons with the best fit for their needs. E.g. about solar energy or they find a ‘sustainable day off’. GroenGelinkt ensures the optimal fit between supply and demand in the field of Education for Sustainable Development.
HOW

ESD Organisations like children’s farms, foresters, commercial energy corporations etcetera, work closely together to bring children and young adults more closely to their living environment and nature. We reach out to them by inspiring teachers, kindergarten staff, grandfathers and mothers and many others with a wide variety of structured learning materials, activities and locations of the linked organisations within GroenGelinkt.
WHY?

We have to be very careful for our living environment and with our nature. We want to make sure that our children understand those values. By taking them outside and let them experience nature they will become more conscious of the values of a clean environment and a more sustainable society. By showing them, let them feel, smell and experience. We are convinced that education is the key to a long term behavioural change.

“Education can help with the shift to a more sustainable way of living” Julia Heiss (UNESCO), yesterday at the opening of this conference
ON THE ONE HAND...

...there is a lot of demand, because
2. WHAT PROBLEM DID WE SOLVE?

DOING THINGS IN NATURE CREATES NEW EXPERIENCES!
DOING THINGS IN NATURE IS GREAT FUN!

2. WHAT PROBLEM DID WE SOLVE?
2. WHAT PROBLEM DID WE SOLVE?
AND YOU LEARN A LOT WHEN YOU DO THINGS IN NATURE!

2. WHAT PROBLEM DID WE SOLVE?
SO, DOING THINGS IN NATURE HAS MANY DIFFERENT ASPECTS

with your friends    with your mom and dad    with your class    or after school ...

with your grandma and -dad

Education for Sustainable Development can take place in many different contextual situations, both in formal and in informal settings
DOING THINGS IN NATURE IS RELEVANT

“Schools, individual teachers, parents and many NGO’s feel they have a moral responsability to make a contribution to Sustainable Development

and sustainable development comprises of many themes, like:

• food
• energy
• water
• plants and animals
• etc.
AND STILL TEACHERS DON’T DO ENOUGH WITH ESD. IT’S DIFFICULT TO FIND THE RIGHT ESD STUFF. WHY?

Because there are hundreds of organisations, with their own offerings, their own websites and their own databases.
SO BETWEEN DREAMS AND ACTS THERE ARE MANY THRESHOLDS

“Where can I find an overview of existing ESD materials?”

“What fits best with my specific situation?”

“What activities can be done within 5 km of our school?”

“Does it fit with the books and methods I use in class?”

“Please, give me new ideas!”

“What I am looking for must both be very good, but also easy to arrange!”

“Is it useful for the children? Does it fit within our educational targets?”

etc. etc.

2. WHAT PROBLEM DID WE SOLVE?
...so on the one hand
there is a lot of demand

...and on the other hand...
How can I get more attention in schools for pollution and climate change? For that contributes to fulfilling the mission of our organisation!

...but how do I get in touch with teachers???
(and via teachers with children)
LEARNING ABOUT SUSTAINABILITY IS RELEVANT...
...also for organisations like:

For several reasons (some good, some less good maybe) they want to reach out to society

...but how do they get in touch with new targetgroups like youth, in a structural way, not incidentally or just locally?
What can I do in our neighbourhood with my class?

What is fun to do during the weekend?

How do I get in touch with teachers with the right learning materials?

How do I get in touch with new target groups?

And lowers the threshold for acting on ESD

2. WHAT PROBLEM DID WE SOLVE?

GroenGelinkt matches supply and demand of ESD!

...on the one hand

...on the other hand

And lowers the threshold for acting on ESD
So, this is how it was...

Lots of learning materials of e.g. botanical garden X, nature resort Y, ESD centre Z, etc on lots of different websites....

Different information everywhere,
Described and structured in different ways (no standards)
Not searchable
Each website had only their own materials
Most of the time not to be found via Google
THIS IS HOW IT WORKS WITH GROENGELINKT

Describe it once, and you are automatically found on all the sites that use the searchscreens of GroenGelinkt.

Every website can show all the ESD materials.

Over 20,000 searches on our repositories each month!

Over 600 organisations in The Netherlands have described their ESD lessons in GroenGelinkt.

Everything in GroenGelinkt is SEO optimized.

Learning materials of: organisation A, farm B, garden X, nature resort Y, ESD centre Z.
3. What is GroenGelinkt all about?

WASTE

BIODIVERSITY

GLOBAL CITIZENSHIP

ANIMALS

SUSTAINABILITY

ENERGY

CLIMATE
3. What is GroenGelinkt all about?
FOCUS ON FOUR GROUPS TO GET IN TOUCH WITH CHILDREN AND YOUTH

For each target group we developed different search options. We did this in co-creation with teachers, etc. E.g. a teacher at a Primary Schools searches differently than an employee at a kindergarten.
5. SO, HOW DOES IT WORK?

IT ALL STARTS WITH SEARCHING AND GETTING RESULTS

GroenGelinkt collects existing information about thousands of ESD learning materials, locations, activities, organisations and background information.

In the blink of an eye you get an overview of all relevant information like specific target group, theme, subject, time, costs.

Quality assurance of ESD learning materials by an expert score, user feedback and end user ratings.

Inspiring suggestions for other fun activities, locations or learning materials.

Insights and overview of learning materials, locations and activities.
5. SO, HOW DOES IT WORK?

...FIND, SELECT, ACT!

Over 3000 lessons, 1000 locations of 500 organisations can be found, like Amnesty International, the city of Rotterdam, Greenpeace and many more.

Found what you were looking for? Just select the item, go to the website of the specific organisation and book your activity or download the materials.

and by doing this we connect more children with nature and their environment!
ORGANISATIONS AND INITIATIVE

UNESCO 2014: “GroenGelinkt is one of the top 25 best projects worldwide of the past 10 years in the area of ESD!”

As a key partner we’d like to share our knowledge and experience in developing a nationwide knowledge infrastructure with other countries.

STEEERING COMMITTEE

- Dutch government
- Educational institutions
- NGO’s and other organisations

UNESCO 2014: “GroenGelinkt is one of the top 25 best projects worldwide of the past 10 years in the area of ESD!”

As a key partner we’d like to share our knowledge and experience in developing a nationwide knowledge infrastructure with other countries.
7. Achievements

WHERE DO WE COME FROM?

- hundreds of organisations
- everyone with their own website
- and their own ESD materials
- with focus on their own specific items
- little or no coherence, little or no cooperation
- and no overview

WHERE ARE WE NOW?

- hundreds of organisations who are working together
- with all their ESD materials combined in one platform
- over 600 search requests per day by teachers
- thousands of teachers are being reached
- > 75% of all ESD centers in The Netherlands can be found via GroenGelinkt
- over 1000 locations can be found, all over The Netherlands
7. Achievements

GROWTH OF GROENGELINKT

- learning materials
- activities
- locations
- organisations

Verhouding lesmateriaal versus aantal activiteiten, locaties en organisaties.
GroenGelinkt is an open platform. That means that we invite ALL ESD organisations in The Netherlands to publish ALL their ESD lessons and materials on GroenGelinkt. So how do we handle the ‘quality issue’?

BUT, BUT...

HOW ABOUT THE QUALITY?
1. General introduction, backgrounds of ESD and Quality

2. Schematic overview of ESD/Quality within the GroenGelinkt system

3. Detailed descriptions of:
   a) expert score
   b) user experiences
   c) automated checks and controls
1. QUALITY AND ESD - INTRODUCTION

Regarding the issue of quality, there are many different angles from which ESD and quality can be looked upon. For instance:

- about the quality of ESD strategies, as a whole: the UNECE Expert group and their publication on Monitoring and Evaluation the ESD strategy (www.unece.org/env/esd), or other UNESCO reports
- Do we mean the quality of the performance or the materials of ESD?

Interesting discussions can be found on:
https://www.rwlnetwork.org/media/56290/conference_report_part_2.pdf
1. QUALITY AND ESD – MORE SPECIFIC OBSERVATIONS

There are also other ways to look at the quality of ESD:
1. The quality of the PROCESSES when performing ESD
2. The quality of the ORGANISATIONS and EDUCATORS involved in ESD
3. The quality of ESD MATERIALS

In more detail:
- The quality in sense of didactical quality of the education process (are the materials for the right target group, are the objectives well formulated, is the structure, activity, language and figures supporting a qualitatively good learning process, are there handbooks and support for the teacher,...)
- The quality in the sense of satisfaction of the educator: does the ESD material fit in the learning process they want (e.g. is the material attractive and learning activities well structured, ......)
- Regarding the materials there are also different aspects of quality:
  - The quality in sense of correct and reliable data, content and facts
  - The quality in sense of the complexity and holistic approach of the concept of ESD (e.g. are people-planet-profit issues included, or are just some ‘topics’ of sustainable development addressed)
1. QUALITY AND ESD – GROENGELINKTS APPROACH

For the collection and sharing of ESD materials in the Netherlands via GroenGelinkt we chose two approaches to enhance quality in the ESD system:

A. Expert Score on quality of learning materials
B. Satisfaction of the educator who has actively used the materials

Ad A) The expert score is based on a series of criteria:

- that is also being used by the national curriculum authority (SLO) for a good description of the pedagogical/didactic quality of learning materials
- used by professionals in the field of EE and ESD to see into the correct content and concepts that are needed for understanding sustainability.

This set of criteria can be applied by self-assessment or can be rewarded by judgment of an independent commission. They will be extensively described in the slides hereafter.

Ad B) The ‘other quality tool’ is a 5 star ranking instrument that can quickly be applied by any teacher or educator who has used the ESD materials during their activity or in the classroom. Just a few simple questions in a pre-format, and an opportunity to add a qualitative remark.

Both approaches are fully integrated in the ICT based structure of GroenGelinkt and have been combined with extensive automated checks and controls to make it as easy as possible for ESD suppliers to use it and for end-users to use quality as a search criterium.
2. GROENGELINKT HAS AN EXTENSIVE QUALITY-SYSTEM, CONSISTING OF 3 PILLARS

The first pillar consists of expert scores

Goal: ESD on a higher level in terms of quality, in use, in re-use and a higher rate of knowledge transfers between professionals

A. Expert scores given by a group of selected ESD experts

B. User experiences and feedback given by end-users (e.g. teachers)

C. All kinds of automated checks performed by the GroenGelinkt system

ESD lessons and learning materials
3A) FIRST: THE GROENGELINKT EXPERT SCORE

A special group of ESD experts – trained and acknowledged by the ESD community in The Netherlands – can give a well-structured and transparent expert score on ESD lessons or learning materials. An ESD organisation has to pay the GroenGelinkt organisation to receive this expert quality rating.

The expert quality rating consists of two parts:
1. an extensive report about the quality of the lesson
2. a report about the ‘transferability’ of the specific lesson

We developed this system based on an existing, closed quality system, but we added a lot of criteria and we also automated the scoring process. The development of this quality system has been done in co-development by known ESD experts, teachers, the national curriculum authority (SLO) and GroenGelinkt staff.

The ‘export-score’ has two goals:
1. to make the quality of ESD materials more transparent to end-users and thus stimulate ESD organisations to improve their lessons and learning materials
2. to stimulate the knowledgetransfer between ESD organisation by making it easier to re-use good ESD practices.

This is what a lesson with an ‘expert-score’ looks like:

(next slide)
This page shows the search results on ESD lessons and materials.

The end-user searched for a combination of ‘animals’ and ‘sustainability’. Within GroenGelinkt 854 lessons and 453 activities have been described about this subject.


Je hebt gezocht op:
- Dieren
- Duurzaamheid

Sortering: A - Z  Z - A  Waardering  Expertscore  Resultaten per pagina: 10

Toon op kaart  houd mij op de hoogte van nieuw aanbod

Dossier Ziekte van Lyme

Waardering: ★★★★★ (1)

De ziekte van Lyme, ook wel borreloose genoemd is een infectieziekte, die wordt veroorzaakt door de bacterie Borrelia burgdorferi. Het is een infectieziekte die wordt overgedragen door de schapenteek kedes ricinus....

PO (groep): 8  VO (niveau): HAVO, Praktijkonderwijs, VMBO, VWO  Thema: Dieren, Natuur
Aanbieder: Groen Kennisnet

duurzame leerlijn

Waardering: ★★★★ (2)

Een leerlijn voor groep 1 t/m 8 over duurzaamheid met bijhorend lasmateriaal. De leerlijn heeft als thema's: water, energie en natuur. Op dit moment nog op Texel gericht maar eenvoudig aanspabbaar voor andere regio's.

PO (groep): 1, 2, 3, 4, 5, 6, 7, 8  Thema: Biodiversiteit, Burgerschap, Dieren, Duurzaamheid Energie, Klimaat, Landbouw
Aanbieder: Ecomare

Dierenwelzijnslessen (groep 5-6)

GroenGelinkt Expertscore
Waardering: ★★★★★★ (1)

Wilt je samen met je groep meer leren over wat komst? In dit lespakket vind je kant en klaar te over dieren, vissen, konijnen en...

Aanbieder: Groen Kennisnet

Green stars indicate that this lesson has an expert score.

Yellow stars indicate the rating given by end-users.
This page shows the details when you click on the ESD lesson you have been searching for

Dierenwelzijnslessen (groep 5-6)

Here you find the expert score and the reports. You can click on ‘view the detailed judgement’ or on ‘information for ESD organisations’.

Once you have clicked on one of these options, you download a PDF file that contains the report.

Meer informatie bij HAS Hogeschool

Soort leermateriaal: handleiding, informatiebron, open opdracht, verkennings- en onderzoeksmateriaal
Primair onderwijs: PO groep 5, PO groep 6
Beoogde eindgebruiker: leerling/student, leraar
Omvang: Les (meerdere elementen, met toegevoegde didactische context)
Aanbiedende Organisatie: HAS Hogeschool
Thema's: Dieren, Duurzaamheid, Milieu, Natuur, Diergedrag, Diergezondheid, Huisvesting van dieren, Diervoeding, Dierethiek
Trefwoorden: Dieren, kuiken, productiedieren, geit, konijn, rundvee, kalf, welzijn, dierenwelzijn, vis, melkvee, productie, lam, kip, boerderij, big, varken, vee, koe, bij
Kosten: Nee
Auteursrechten: Ja
Omschrijving kosten/rechten: Voor het gebruik van het beeldmateriaal in andere toepassingen is schriftelijke toestemming vereist
3A) EXPERT SCORE, GIVEN BY A GROUP OF SELECTED ESD EXPERTS

The actual ‘expert score’ of het ESD lesson contains a report of ± 9 pages, consisting of:

- the first page is an overview page:
  - title of the lesson and the rating (in this case 3 out of 5 stars
  - a general introduction
  - the basic information, like title, target audience, organisation, date, relevant ESD themes, preparation time, actual time for the lesson
  - and a summary of the score, consisting of 7 subjects:
    1. didactics
    2. organisation
    3. learning activities
    4. goals
    5. design
    6. context
    7. evaluation
- every subject has its own score, that consists of several sub-scores. GroenGelinkt facilitates this by an automated process that can only be filled in by an expert, or by the ESD organisation (kind of self score)
- the system automatically generates the score and the report
- both score and report are stored in GroenGelinkt with the lesson, so teachers have direct access to the results.

On the following slides all 7 subject will be described.
Expert score subject 1: DIDACTICS

The first subject in the quality assessment is about the ‘didactical’ quality of the ESD lesson.

It consists of several indicators like ‘coherence of content’, ‘structure’, ‘variation of learning activities’ and possibilities of ‘cooperative learning’.

Every indicator can be scored by the expert, and every indicator has its own weight.

After that, all the scores are added together that generates the total score for the ‘didactical quality’ of this ESD lesson.
The 2nd subject in the quality assessment is about the ‘organisational’ quality of the ESD lesson. This judges whether or not the learning materials can be applied in day to day educational settings.

It consists of several indicators like ‘clarity’, ‘time it takes for accompaniment of students’, ‘adaptability of the lesson’ and ‘ease of application’.

Again, every indicator can be scored by the expert, and every indicator has its own weight.

The system calculates each value automatically and gives a weighed score on organisation.
This part of the expertscore judges the quality of the activities that will be performed by the children.

It consists of indicators like in what way the students will be using and applying their existing knowledge, the quality of the cognitive activities and the ‘researchability’.

E.g. when the use of the children’s own knowledge is being judged, the experts will look whether or not during the learning process, the children will have to use their own knowledge, without that being a threshold for the assignment.

When they look at researchability, they will check if the questions being asked are deductible of the materials, information and observation, etc.
This chapter judges if clear goals have been formulated, aimed on the relationship between human beings and environment, and that these goals are recognizable in the way the lesson has been set up.

This part of the score consists of the indicators ‘ESD value’, ‘clearity of goals’, its place in curricular ESD goals as defined in the Netherlands, and the way the lesson integrates with other subjects like physics, nature, etc.

When looking at e.g. ‘ESD value’, the expert will judge if it is to be expected that students after this lesson will care about the way they treat their living environment and will recognize possibilities to improve their environment.
The experts will also take an extensive look at the design of the lesson or learning materials. This part consists of indicators like ‘functionality’, ‘complexity’, ‘quality of materials being used’, ‘motivational design’ and the quality of the language that is being used (like grammar and spelling mistakes).

When looking at ‘functionality’ the expert will look at illustrations being used, whether or not the materials that need to be used for the lesson have actually been included in the package, or if not, if they normally are available in a classroom, etc. And when looking at ‘motivating design’ they will judge if the design is fitting for the target audience, if the design has been applied consistently, whether or not there are moving images (if possible) etc.
When judging the context, the experts will take into consideration if the lesson is actually part of the living environment and experience of children, whether or not they will be able to recognize the value of the things they have learned during this ESD lesson.

The indicators consist of ‘living and experience’, ‘action perspective’ and ‘information’.

When judging the indicator ‘information’ the expert will take into consideration if the background information is linked to the assignments, if there are any errors in the information, if it is too short or too lengthy and if the information is aimed at the use by children.
Expert score subject 7: EVALUATION

The subject Evaluation judges if the results of the lesson can be measured or evaluated. The indicators are focussed on ‘results for the teacher’ and ‘results for the students’.

The first part will judge if the teacher has any idea what children will be able to do after the lesson, and the second part takes into consideration if the children will experience having more competences and insights related to the learning goals.
3A) THE GROENGELINKT EXPERT SCORE: THE ASPECT OF KNOWLEDGE SHARING

Besides the extensive report about the quality of the lesson, GroenGelinkt also generates a report about the ‘transferability’ of the specific lesson by other ESD organisations.

The report consists of two chapters:
1. adoptability;
2. implementability

1. Adoption - the way in which the lesson or learning material is ready to use
   This chapter gives information about the possibilities to acquire the lesson. It gives information about where the lesson has been developed, whether or not the lesson or materials can be easily reproduced, whether or not it is necessary that the lesson needs to be accompanied by someone of the original ESD organisation, the acquisition costs (if any), and the amount of work that needs to be done to adopt the lesson.

2. Implementability - the degree of relevancy and scalability of the lesson or learning material
   This chapter gives information whether or not the materials can be delivered right away, what amount of preparation time is needed, the degree of sensibility for jamming, the materials that will be consumed and the amount of accompaniment by the adopting organisation.
Dierenwelzijnslessen (groep 1-2)

In samenwerking met Fontys Pabo, het Voedingscentrum/WUR, ZLTO, de Dierenbescherming en OVC Educatieve dienstverlening heeft HAS Hogeschool Den Bosch een lespakket voor basisscholen samengesteld over het welzijn van productiedieren. De lessen zijn onafhankelijk en objectief, zodat kinderen een...

<table>
<thead>
<tr>
<th>Kerngegevens</th>
<th>Overige gegevens</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titel</td>
<td>Dierenwelzijnslessen (groep 1-2) handleiding</td>
</tr>
<tr>
<td>Soort leermiddel</td>
<td>Doelgroep</td>
</tr>
<tr>
<td>Organisatie (ontwikkelaar)</td>
<td>PO groep 1, PO groep 2</td>
</tr>
<tr>
<td>Mailadres organisatie</td>
<td>Dieren, kuiken, productiedieren, rundvee, kalf, welzijn, dierwelzijn, vis, melkvee, productie, kip, big, boerderij, varken, vee, koe, bij</td>
</tr>
<tr>
<td>Screener</td>
<td>Thema's</td>
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<tr>
<td>Datum expertscore</td>
<td>Voorbereidingstijd docent</td>
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<td>Nicole van Gans</td>
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<td>Uitvoeringsstijd</td>
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Toelichting uitvoering
Genoemde tijden zijn per les. Er zijn 11 lessen beschikbaar inclusief introducties voor groep 1-2 en bijlagen en werkbladen. Dat is exclusief eventuele excursies.

Organisatiescore

<table>
<thead>
<tr>
<th>Overname</th>
<th>Uitvoering</th>
</tr>
</thead>
<tbody>
<tr>
<td>Leermiddel is kant en klaar te koop of eenvoudig over te nemen.</td>
<td>Uitvoeren van het leermiddel is relevant en te realiseren voor veel gebruikers.</td>
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<table>
<thead>
<tr>
<th>Categorieën uitvoering</th>
<th>Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>Uitvoering</td>
<td>Herhaalbaarheid, Voorbereidingstijd, Storingsgevoeligheid, Verbruiksmaterialen, Hoeveelheid begeleiding</td>
</tr>
<tr>
<td>Financiering</td>
<td>Herkenbaarheid, Beleids-relevantie</td>
</tr>
<tr>
<td>Verantwoording</td>
<td>Vraag vanuit doelgroep, Kwaliteitsborging, Ondersteuning missie en visie</td>
</tr>
</tbody>
</table>

This finishes the part about the Expertscore of GroenGelinkt, the 1st pillar.
GROENGELINKT HAS AN EXTENSIVE QUALITY-SYSTEM, CONSISTING OF 3 PILLARS

The second pillar consists of end-user ratings

**Goal: ESD on a higher level in terms of quality, in use, in re-use and a higher rate of knowledge transfers between professionals**

- Pillar A: Expert scores given by a group of selected ESD experts
- Pillar B: User experiences and feedback given by end-users (e.g. teachers)
- Pillar C: All kinds of automatic checks performed by the GroenGelinkt system

ESD lessons and learning materials
3B) USER EXPERIENCES AND FEEDBACK GIVEN BY END-USERS (E.G. TEACHERS)

Every end-user can give ratings and comments on lessons they have found and applied. Please see the following screen shots.

This way we offer more interaction with end-users, which is an actual impuls for ESD organisations to make improvements and learning materials of higher quality.

On the screenshots you will see the following:
- an overview of the search-results. In this case all learning materials for Primary Education, about ‘animals’ and ‘sustainability’ (filters are placed on the left hand of the screen)
filters

numbers of search results, split into
- lessons/learning materials
- activities
- organisations
- locations
- background information

This page shows again the search results

Dossier Ziekte van Lyme
Waardering: ★★★★★ (1)
De ziekte van Lyme, ook wel borrelioze genoemd is een infectieziekte, die wordt veroorzaakt door de bacterie Borrelia burgdorferi. Het is een infectieziekte die wordt overgedragen door de schapenteeg knoedels ricinus....
PO (groep): 8 VO (niveau): HAVO, Praktijkonderwijs, VMBO, VWO Thema: Dieren; Natuur
Aanbieder: Groen Kennisnet

duurzame leerlijn
Waardering: ★★★★★ (2)
Een leerlijn voor groep 1 t/m 8 over duurzaamheid met bijhorende lesmateriaal. De leerlijn heeft als thema's: water, energie en natuur. Op dit moment nog op Texel gericht maar eenvoudig aanpasbaar voor andere regio's.
PO (groep): 1, 2, 3, 4, 5, 6, 7, 8
Thema: Biodiversiteit, Burgerschap, Dieren, Duurzaamheid, Energie, Klimaat, Landschap, Milieu, Natuur, Planten, Voeding, Water
Aanbieder: Ecomare

Dierenwelzijnslessen (groep 5-6)
GroenGelinkt Expertscore
Waardering: ★★★★★ (1)
Wij zijn samen met je groep meer leren over waar eieren, vissen, vissen, vissen kopen? In dit lespakket vind je kan en klare lessen over welk eten, visserij en konijnen en...
PO (groep): 5, 6, 7, 8 Dierenwelzijnslessen; Duurzaamheid, Milieu, Natuur

an overview of the actual lessons that have been found in the GroenGelinkt system
Here you find an overview of the ratings by end-users

Dierenwelzijnslessen (groep 5-6)

More detailed information about this specific lesson. E.g. the type of learning material, the target audience, quantity, the organisation who has developed the lesson, themes, etc.

Here is a general description of this lesson

**Expertscore**

- Meer informatie over Expertscore
- Gekeurd op: 10-05-2013
- Bekijk gedetailleerd oordeel
- Informatie voor NME-organisaties

**Waarderingen**

- ★★★★★
- (1)
- Voeg waardering toe
- Bekijk alle waarderingen

**Feedback**

- Geef feedback aan aant

**Bekijk ook**

10. Op de tuin: Groene Vingers (groep 5-6)
3B) USER EXPERIENCES AND FEEDBACK GIVEN BY END-USERS (E.G. TEACHERS)

When you want to know more about the user-rating, or when you want to give a rating yourself, you click on ‘Waarderingen’ (= ratings).

The detailscreen opens where you can read existing ratings and comments, or where you can add your own
This page shows the feedback page, after clicking through on the detail page.

Dierenwelzijnslessen (groep 5-6)

Here you can add your own rating and comment

Here is the existing rating (five stars in this case) and the comment given.
GROENGELINKT HAS AN EXTENSIVE QUALITY-SYSTEM, CONSISTING OF 3 PILLARS

The third pillar consists of automatic checks by the system.
3C) ALL KINDS OF AUTOMATIC CHECKS PERFORMED BY THE GROEN GELINKT SYSTEM

- ESD organisations describe their learning materials in the GroenGelinkt system (we call that ‘metadata’) in a structured way. This ensures that end-users can search in an easy way using a standard set of keywords (of course open search is also possible), and that the search results are of a high quality, meeting the expectations of the end-users.

- The data-entry part of the GroenGelinkt system is very userfriendly, but also applies all kinds of checks on e.g. completeness and validity of the data. For example: it is mandatory to upload pictures of the learning materials, but also the target audience, the size of the group, etc.

- Only when an organisation has entered all the mandatory data in the system, their learning materials will appear in the search results.
  - Also there are automatic checks on validity of the data. E.g. when an activity has a certain and-date (e.g. searching mushrooms during autumn) this ESD activity won’t come up when this end-date has passed (e.g. during wintertime).

- Besides this ESD organisations receive frequently automatically generated emails when they haven’t recently checked or updated their data.

- And this isn’t even a complete overview of all the checks built into the system. We call this our ‘**basic data-hygiene**’. That ensures the basic quality of the data.
**SUMMARY:**

**GROENGELINKT HAS AN EXTENSIVE QUALITY-SYSTEM, CONSISTING OF THREE PILLARS**

- **A**
  - *expert scores*
  - given by a group of selected ESD experts

- **B**
  - *user experiences*
  - and feedback given by end-users (e.g. teachers)

- **C**
  - *all kinds of automatic checks*
  - performed by the GroenGelinkt system

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**Goal:**

ESD on a higher level

*in terms of quality, more use and a higher rate of knowledge transfers between professionals*

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### Pillar A: Expert Scores

- **‘expert score’**
  - Extensive reports are generated by the system, based upon the ratings given by experts.
  - There are two reports:
    1. **about the quality of the ESD lesson or learning material**
    2. **about the degree of transferability of the ESD lesson or materials**

### Pillar B: User Experiences

- **‘end-user ratings’**
  - End-users have the possibility to give ratings and to send comments directly to the ESD organisation that delivers the lesson, learning materials or organizes the ESD activity.

### Pillar C: Basic Data-Hygiene

- **‘basic data-hygiene’**
  - Consisting of all kinds of checks when entering data in the system, like completeness and actuality of the information.
  - Furthermore, the system generates automated notifications to the ESD organisation to check their materials in GroenGelinkt, etc.
Thank you for listening to me