

## The iSQAPER project website

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Report number: 03

Deliverable: D1.1

Report type: Scientific Report

Issue date: 15-02-2016

Project partner: Wageningen University

| DOCUMENT SUMMARY                        |  |
|---|--|
| Project Information                     |  |
| Project Title                           | Interactive Soil Quality Assessment in Europe and China for Agricultural Productivity and Environmental Resilience |
| Project Acronym                         | iSQAPER  |
| Call identifier                         | The EU Framework Programme for Research and Innovation Horizon 2020: SFS-4-2014 Soil quality and function          |
| Grant agreement no:                     | 635750   |
| Starting date                           | 1-5-2015   |
| End date                                | 30-4-2020  |
| Project duration                        | 60 months  |
| Web site address                        | www.isqaper-project.eu   |
| Project coordination                    | Wageningen University  |
| EU project representative & coordinator | Prof. Dr. C.J. Ritsema   |
| Project Scientific Coordinator          | Dr. L. Fleskens  |
| EU project officer                      | Mr. Antonio Pérez-Rendón   |
| Deliverable Information                 |  |
| Deliverable title                       | iSQAPER website  |
| Author                                  | K. Oostindie, H. Gooren, X. Yang   |
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| Delivery Number                         | D.1.1 Version 1.1  |
| Work package                            | 1  |
| WP lead                                 | Wageningen University  |
| Nature                                  | Public   |
| Dissemination                           | Document   |
| Editor                                  | Luuk Fleskens  |
| Report due date                         | Feb 2016   |
| Report publish date                     | 15-02-2016   |
| Copyright                               | ©2015 the iSQAPER project and Partners   |

| participant | iSQAPER Participant legal name + acronym  | Country        |
|-------------|---|----------------|
| 1 (Coor)    | Wageningen University (WU)  | Netherlands    |
| 2           | Joint Research Center (JRC)   | Italy          |
| 3           | Research Institute of Organic Agriculture (FiBL)  | Switzerland    |
| 4           | Universität Bern (UNIBE)  | Switzerland    |
| 5           | University of Évora (UE)  | Portugal       |
| 6           | Technical University of Madrid (UPM)  | Spain          |
| 7           | Institute for European Environmental Policy (IEEP)  | UK and Belgium |
| 8           | Foundation for Sustainable Development of the Mediterranean (MEDES)   | Italy          |
| 9           | ISRIC World Soil Information (ISRIC)  | Netherlands    |
| 10          | Stichting Dienst Landbouwkundig Onderzoek (DLO)   | Netherlands    |
| 11          | Institute of Agrophysics of the Polish Academy of Sciences (IA)   | Poland         |
| 12          | Estonian University of Life Sciences, Institute of Agricultural and Environmental Sciences (IAES)               | Estonia        |
| 13          | University of Ljubljana (UL)  | Slovenia       |
| 14          | National Research and Development Institute for Soil Science, Agrochemistry and Environmental Protection (ICPA) | Romania        |
| 15          | Agrarian School of Coimbra (ESAC)   | Portugal       |
| 16          | University of Miguel Hernández (UMH)  | Spain          |
| 17          | Agricultural University Athens (AUA)  | Greece         |
| 18          | Institute of Agricultural Resources and Regional Planning of Chinese Academy of Agricultural Sciences (IARRP)   | China          |
| 19          | Institute of Soil and Water Conservation of Chinese Academy of Sciences (ISWC)                                  | China          |
| 20          | Soil and Fertilizer Institute of the Sichuan Academy of Agricultural Sciences (SFI)                             | China          |
| 21          | CorePage (CorePage)   | Netherlands    |
| 22          | BothEnds (BothEnds)   | Netherlands    |
| 23          | University of Pannonia (UP)   | Hungary        |
| 24          | Institute of Soil Science of the Chinese Academy of Sciences (ISS)  | China          |
| 25          | Gaec de la Branchette (GB)  | France         |



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# 1 Introduction

The iSQAPER website ([www.iSQAPER-project.eu](http://www.iSQAPER-project.eu)) is an important medium to distribute general information about the project to the world as well as specific information to the project partners. The website can be accessed by everybody, however specific information is only accessible for project partners and can only be viewed as a registered user. Every project partner has been provided with a username and password in order to get access to special parts of the website.

For the main public the website is meant as a source of information for project aims, giving an overview how these aims can be realized. News items will be regularly posted on the website to keep the main public and project partners updated about important issues within the project. Because of the intensive cooperation between European and Chinese partners, the website is partly bilingual: English and Chinese.

As the website is dynamic not all features can and will be discussed in this document. It merely gives a short overview of the possibilities. Another website meant for knowledge dissemination will be developed. A permanent link to this dissemination website will be available on the website.

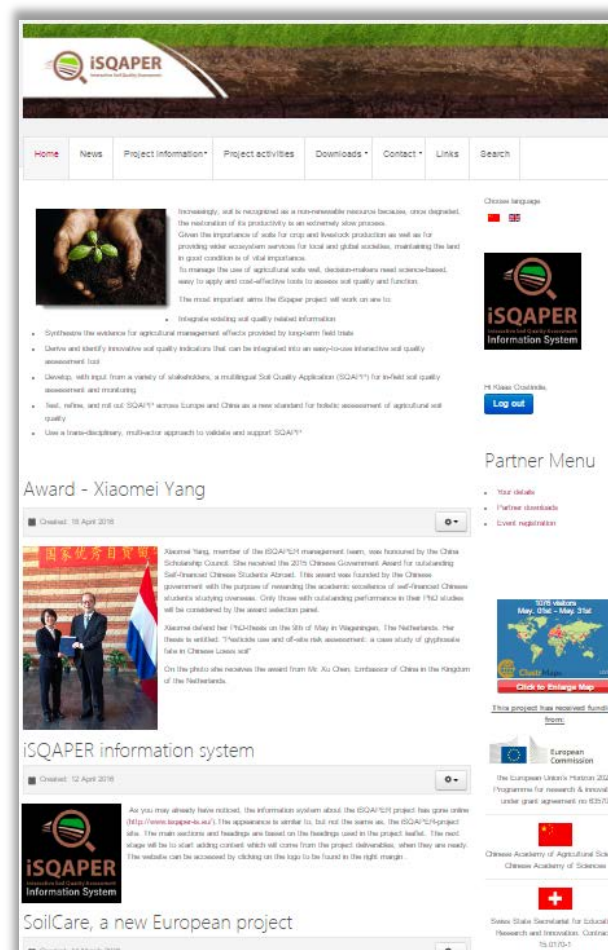


Figure 1. Homepage of the iSQAPER website.

## 2 The functionality of the iSQAPER website

Different features have been developed in the iSQAPER website, giving it its basic functionality. As, the website is dynamic as a whole, the features of the iSQAPER website can always be extended or adapted. At present, the main menu is situated at the top of the website in a horizontal bar. At the right side of the website features are available giving the user possibilities to 1) choose the desired language (English or Chinese), 2) jump to the iSQAPER information system website 3) login into the website as a registered user and 4) to see how many guests or partners visited the website during the present month and from where they came. Also a statement can be found from which this project received funding. Once a project partner logs into the website, a special partner menu will become visible which will give extra functionality to the website user. Figure 1 gives an overview of the homepage of the website.

### 2.1 Main menu

The main menu can be found at the top of the webpage just below the web header. It consists of a set of 8 items. Each item can contain several sub-items. A graphical representation of the menu structure with its first level of drop down items is pictured in figure 2.

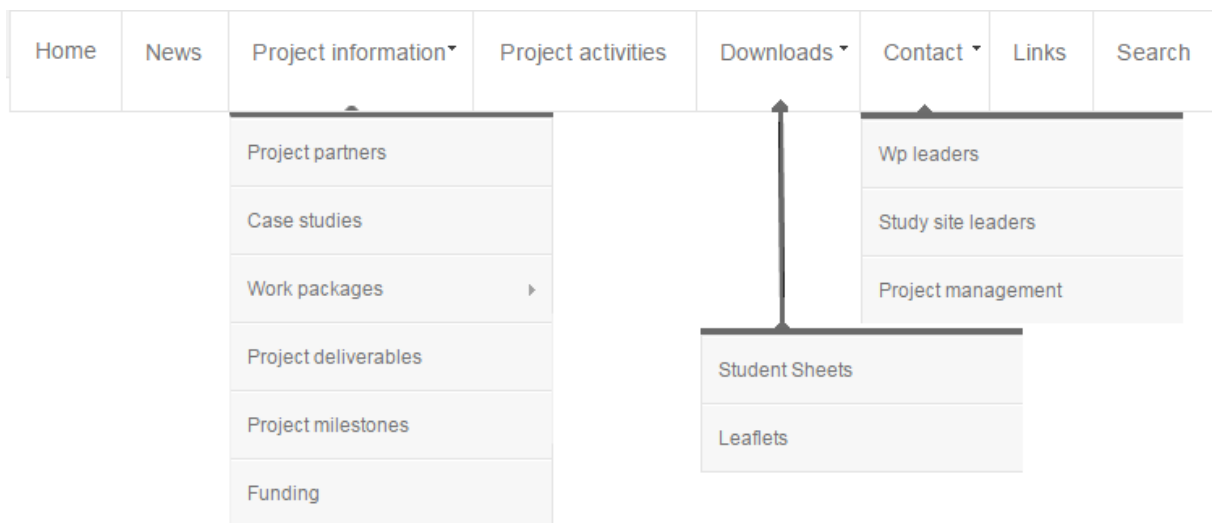


Figure 2. Menu structure with the first level of drop down items.

#### 2.1.1 Home

The homepage of the website starts with a short overview of the main aims of the project. Subsequently the three most recent featured articles are shown while some older ones can be cycled through by clicking on the article title or the next page button. If the text section within an article becomes too long, a 'read more' button is provided and an additional page is added.



## 2.1.2 News

The “News” menu item on the website displays a list of all actual and historic news items in a chronological order. In general, the news items contains information about the developments within the project, but can also highlight important local or global events. All news items in this list are accessible by clicking the title.

## 2.1.3 Project information

The “Project Information” menu item has a first level with the following drop down items;

- Project partners
- Case studies
- Work packages
- Project deliverables
- Project milestones
- Funding

### 2.1.3.1 Project partners



This page gives an overview of all partners involved in the iSQAPER project. Besides it contains information about work package leaders and case study leaders (figure 3a). Partners have been offered possibilities to introduce themselves and their institutes, universities or companies by clicking on the participant name. An example of an introduction page is given in figure 3b.

**Project Partners**

| Participant no. | Participant legal name + acronym                 | Country        | Contact person, other people involved   | Work Package leader | Case Study leader |
|-----------------|--|----------------|---|---------------------|-------------------|
| 1               | Wageningen University (WU)                       | Netherlands    | Violette Geisen, Luuk Fleskens, Coen Ritsema, Lijbert Brussaard, Ron de Goede, Klaas Oostindie, Xiaomei Yang, Harm Gooren | WP1, WP4            |                   |
| 2               | Joint Research Center (JRC)                      | Italy          | Gergely Toth  |                     |                   |
| 3               | Research Institute of Organic Agriculture (FiBL) | Switzerland    | Paul Maeder, Jens Wohlfahrt   | WP3                 |                   |
| 4               | Universität Bern (UNIBE)                         | Switzerland    | Gudrun Schwilch, Abdallah Alloui  | WP5                 |                   |
| 5               | University of Évora (UE)                         | Portugal       | Gottlieb Basch, Miguel Soares   | WP6                 |                   |
| 6               | Technische Universiteit van Madrid (UPM)         | Spain          | Ana Iglesias  | WP7                 |                   |
| 7               | Institute for European                           | UK and Belgium | Catherine Bower, David  | WP8                 |                   |

**05 - University of Évora**

**b**

|                      |   |  |
|----------------------|---|--|
| Institute full name: | Institute of Mediterranean Agricultural and Environmental Sciences / University of Évora  |  |
| Institute acronym:   | ICAAM/UE  |  |
| Institute profile:   | ICAAM (standing for Institute of Mediterranean Agricultural and Environmental Sciences) is a University of Évora Research and Development (R&D) Unit created in 1991 under the framework of the National Science Program ("Program Ciência"). ICAAM is located on "Campus da Mitra", an experimental farm covering more than 235 ha in Alentejo (southern Portugal), 12 km from the city of Évora. ICAAM's main goal is to promote excellence in research on Mediterranean agro-ecosystems, following a multidisciplinary approach (integrating researchers from several scientific areas: Agricultural Engineering, Animal Science, Biology, Crop Science, Physics, Chemistry, Ecology, Economics, Landscape and Territory, Soil Science and Veterinary Medicine) and a strong cooperation with national and international research groups and local producers and professional organizations. As a result, ICAAM aims to contribute to the knowledge, innovation, development, sustainability and competitiveness of agro-silvo-pastoral Mediterranean systems. |  |
| Institute website:   | <a href="http://www.icaam.uevora.pt">www.icaam.uevora.pt</a>  |  |
| Address:             | Universidade de Évora<br>Apartado 94<br>7006-554 ÉVORA<br>Portugal  |  |
| Institute logo:      |    |  |
| Institute image:     |    |  |

**Involved Personnel**



| Contact info   | Key qualifications  | Photo   |
|--|---|---|
| Dr. Gottlieb Basch<br>Associate Prof.<br>Tel: (+351)266780818 ext. 24418<br>E-mail: <a href="mailto:gb@uevora.pt">gb@uevora.pt</a>             | Agronomist; Sustainable Soil Management and Farming Systems |  |
| Miguel Soares<br>Researcher<br>Tel: (+351)266780818 ext. 24430<br>E-mail: <a href="mailto:miguel.soares@uevora.pt">miguel.soares@uevora.pt</a> | Biologist   |  |

Figure 3. List with participants (a) and participant description (b)

### 2.1.3.2 Case studies

The Case studies menu item will show a map with all the 14 case studies. Ten case studies (1-10) are situated in Europe and 4 in China (11-14). The case studies on the map are clickable, after which a description of the appropriate case study will be shown in a popup window. Figure 4 shows the description of case study in Portugal (case study 3).

#### Case Studies

Click on Study Site for some images; [Download poster here](#) (login needed)

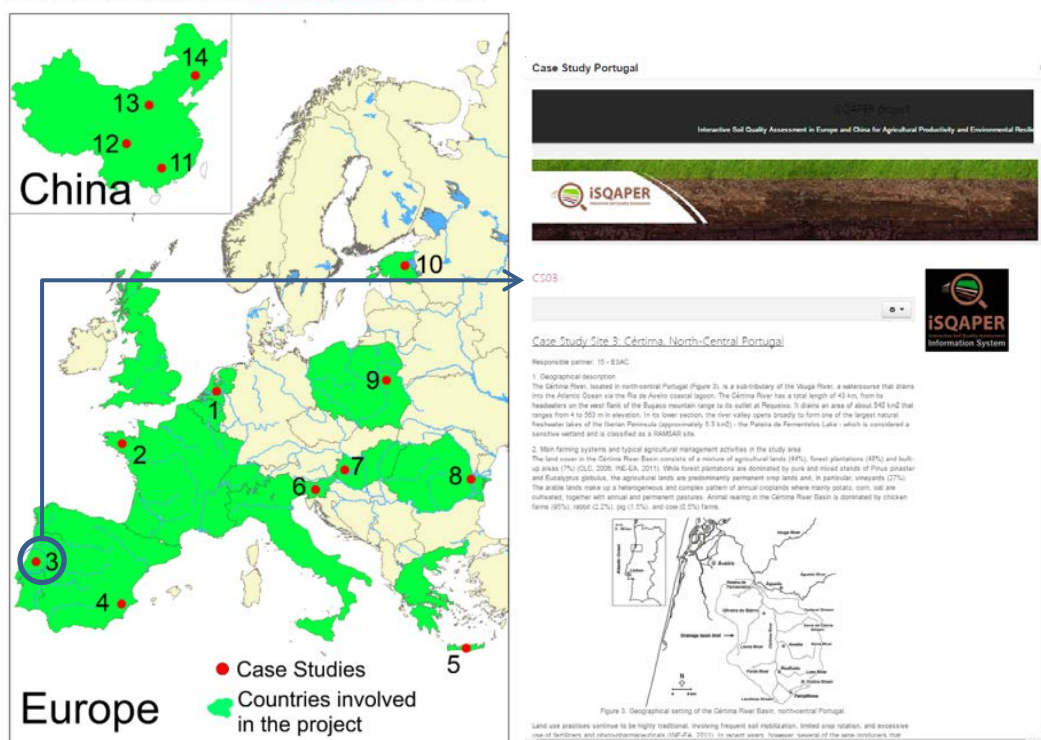


Figure 4. Map with clickable iSQAPER case studies (left side) and a description of case study from Portugal (right side).

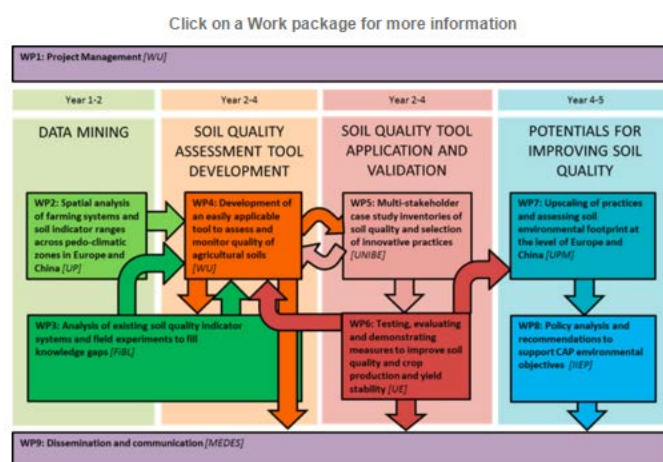


Figure 5. Interrelationship of the iSQAPER work packages. Short descriptions of each work package are available by clicking on it.

### 2.1.3.3 Work packages

The Work packages menu item shows a picture with all the work packages and how they are related to each other. More information about a certain work package can be obtained by clicking on it. Figure 5 shows all the work packages and figure 6 the description of WP2 after clicking on it.

#### Work Package 2



WP2 is dedicated to the collection and classification of soil, climate and land use data to characterise the edaphic aspects of typical crop and livestock farming systems across Europe and China. Soil property, soil quality and productivity data derived from observations and large-scale model assessments will be assessed in relation to system classifications. Choices concerning the provenance, level of detail, and organisation of data sets for data retrieval will be made according to the location of data sources and proposed use in other WPs.

The main activities will be to: i) create harmonised spatial layers of soil, climate and land use/cover data; ii) establish pedo-climatic zones by integrated analyses of soil, water, and climatic factors; iii) classify farming systems in Europe and China; and iv) create probability density functions for various soil property and quality indicators across farming systems.

Main deliverables will be a report on the spatial analysis of crop and livestock systems in relation to pedo-climatic conditions and a scale-dependent spatial database of soil properties and non-aggregated soil quality indicators across Europe and China (TRL4).

Figure 6. Short description of work package 2 as it appears on the website after it has been clicked through figure 5

#### Project Deliverables

List with deliverables

| Del. No. | Deliverable name   | WP No. | Lead participant | Delivery date |
|----------|--|--------|------------------|---------------|
| 2015     |  |        |                  |               |
| D1.1     | iSQAPER website  | 1      | WU               | Jul           |
| D1.2     | Data management plan   | 1      |                  | Oct           |
| 2016     |  |        |                  |               |
| D2.1     | Hierarchical and multi-scale pedo-climatic zonation  | 2      | UP               | Jan           |
| D9.1     | Prototype iSQAPERiS website  | 9      | MEDES            | Apr           |
| D2.2     | Classification of crop and livestock systems   | 2      | UP               | Jun           |
| D3.1     | Critical review of existing concepts of soil quality indicators  | 3      | FiBL             | Aug           |
| D9.1     | Dissemination and Communication Strategy   | 9      | MEDES            | Oct           |
| D3.2     | Critical review of soil quality indicators with respect to their sensitivity to indicate soil threats and soil functions and interactions with management as well as reliability and simplicity of measurement | 3      | ISRIC            | Nov           |
| D2.3     | Report on the spatial analysis of crop and livestock systems in relation to pedo-climatic conditions   | 2      | UP               | Dec           |
| 2017     |  |        |                  |               |
| D4.1     | Pilot soil quality assessment tool   | 4      | WU               | Apr           |

Figure 7 Part of the table with project deliverables.

#### 2.1.3.4 Project deliverables

This menu item will show a table what has to be delivered through project results. The table is built up in a chronological order. First deliverables should be available in 2015 and the last ones in 2020. The table makes also clear from which work package the deliverable is a result and which participant has the lead in it. Once the deliverable is available, it can be downloaded from the website by clicking on it. It depends on the nature of the deliverable if it will be available for public or participants only. If the deliverable is only meant for participants, the user needs to be logged in. Figure 7 shows a part of the deliverable table.

#### 2.1.3.5 Project milestones

The “project milestones” menu item will show a table with milestones together with the time they are planned to be available. The table is built up in a chronological order. First milestones should be available in 2015 and the last ones in 2018. The table makes also clear to which work package the milestone is related. Once a milestone is available, it can be downloaded from the website by clicking on it. It depends on the nature of the milestone if it will be available for public or participants only. If the milestone is only meant for participants, the user needs to be logged in. Figure 8 shows a part of the milestones table.

### Project Milestones

List with milestones





| Milestone No. | Milestone name  | Related work package(s) | Estimated date | Means of verification   |
|---------------|---|-------------------------|----------------|---|
| 2015          |   |                         |                |   |
| M1.1          | Project kick-off meeting  | 1                       | Jun            |  Minutes available (674 KB)                        |
| M2.1          | Inventory of available soil, land use and purpose specific climate data and regional representation of soil and land use data available on a GIS platform               | 2                       | Dec            |  Fully functional system (450 KB)                  |
| M3.1          | Overview of major existing field trials across various pedo-climatic zones in Europe and China and database of research results in the field of soil quality indicators | 3                       | Dec            |  Catalogue of existing field trials (3.23 MB)      |
| 2016          |   |                         |                |   |
| M5.1          | Actors to be included in Case Study Sites identified  | 5                       | Feb            |  List of actors for all Case Study Sites (2.51 MB) |
| M6.1          | Selection of sites for testing and evaluation   | 6                       | Jan            | Georeferenced list of test sites for all Cases  |

Figure 8 Part of the table with milestones of the project.

#### 2.1.3.6 Funding

The “Funding” menu item gives an overview of the funding agencies of this project. These agencies have also a prominent place in the right margin of the project website (figure 1)

### 2.1.3.7 Disclaimer

The disclaimer menu item is a statement about the rights and responsibilities regarding all partners, project results, owner ships etc.

### 2.1.4 Project activities

The menu item entitled “Project activities” gives an overview of meetings, workshops, webinar’s etc. organized by project partners or organized for project partners. The activities are stored in a table and ordered in a chronological way. Furthermore, links to materials regarding the events can also be found. These links mostly refer to download areas for presentations, posters, case studies and photos, but can also help participants to redirect them to register modules for meetings and other things like that. To get access to the materials depends on the nature of it. Some materials are accessible for the main public, but others might be restricted to registered users only. Figure 9 is an example of the table with activities.

Special activity table of the iSQAPER project:

| Meeting                | Year               | Location           | Comments  |
|------------------------|--------------------|--------------------|---|
| 1. Kickoff meeting     | 22-25 June 2015    | Vitré, France      | Photo impression: <a href="#">here</a><br>Download area:  <a href="#">here</a> |
| 2. Workshop WP2+3      | 12-14 October 2015 | Frick, Switzerland | Download area:  <a href="#">here</a>  |
| 3. Webinar - CAP       | 11-2-2016          | Organiser: IEEP    | More than 25 participants   |
| 4. 2nd Plenary meeting | 20-23 June 2016    | Hungary            | <a href="#">Open for registration</a>   |
| 5. 3rd Plenary meeting | 2017               | China              |   |
| 6.                     |                    |                    |   |
| 7.                     |                    |                    |   |

Figure 9. Activity table with links to supplementary materials

### 2.1.5 Downloads

When clicking the Download menu item the visitor will be lead to the public download area. This download area is accessible for the main public. At present leaflets in 14 different languages are available. These leaflets give an overview of the project aims and how these aims can be achieved. Furthermore factsheets are available about students involved in the project. The download area can be extended with other information when necessarily. Figure 10 shows the download area for the leaflets.

### 2.1.6 Contact

The website visitor will be lead to an overview of all the work package leaders and their deputies after clicking the contact menu item. The visitor has also the possibility to choose another contact group by clicking an item from the drop down menu. The other available

contact groups are the study site leaders and the project management team. The user can easily switch between contact groups by clicking on the tab sheets located at top of the contact information. Figure 11 gives an overview of the first part of the work package leaders.

| Language           | Downloads    | Date        | Download Link           |
|--------------------|--------------|-------------|-------------------------|
| ISQAPER leaflet SI | 84 downloads | 17 Mar 2016 | Download (pdf, 1.61 MB) |
| ISQAPER leaflet CN | 91 downloads | 17 Mar 2016 | Download (pdf, 2.61 MB) |
| ISQAPER leaflet DE | 84 downloads | 17 Mar 2016 | Download (pdf, 1.49 MB) |
| ISQAPER leaflet EE | 84 downloads | 17 Mar 2016 | Download (pdf, 1.56 MB) |
| ISQAPER leaflet EN | 91 downloads | 17 Mar 2016 | Download (pdf, 1.52 MB) |
| ISQAPER leaflet ES | 77 downloads | 17 Mar 2016 | Download (pdf, 1.56 MB) |
| ISQAPER leaflet FR | 88 downloads | 17 Mar 2016 | Download (pdf, 1.51 MB) |
| ISQAPER leaflet GR | 88 downloads | 17 Mar 2016 | Download (pdf, 1.55 MB) |
| ISQAPER leaflet HU | 83 downloads | 17 Mar 2016 | Download (pdf, 1.55 MB) |
| ISQAPER leaflet IT | 90 downloads | 17 Mar 2016 | Download (pdf, 1.52 MB) |
| ISQAPER leaflet NL | 84 downloads | 17 Mar 2016 | Download (pdf, 1.56 MB) |
| ISQAPER leaflet PL | 85 downloads | 17 Mar 2016 | Download (pdf, 1.61 MB) |
| ISQAPER leaflet PT | 85 downloads | 17 Mar 2016 | Download (pdf, 1.57 MB) |
| ISQAPER leaflet RO | 87 downloads | 17 Mar 2016 | Download (pdf, 1.61 MB) |

Figure 10. Download area with leaflets in different languages.

### 2.1.7 Links

The links menu item contains references to other websites with related information about soil quality.



|      |      |                      |                    |            |          |       |        |
|------|------|----------------------|--------------------|------------|----------|-------|--------|
| Home | News | Project information▼ | Project activities | Downloads▼ | Contact▼ | Links | Search |
|------|------|----------------------|--------------------|------------|----------|-------|--------|

WP leaders

Wp leaders

Study site leaders

Project management





| Work Package  | Leader   | Name                | Deputy  | Name                 |
|---|--|---------------------|---|----------------------|
| 1. Management   |   | Coen Ritsema<br>WUR |  | Luuk Fleskens<br>WUR |
| 2. Spatial analysis of farming systems and soil indicator ranges across pedo-climatic zones in Europe and China |   | Gergely Toth<br>JRC |   |                      |
| 3. Analysis of existing soil quality indicator systems and field experiments to fill knowledge gaps             |  | Paul Maeder<br>FIBL |   |                      |

Figure 11. Contact information about the work package leaders and their deputies.

### 2.1.8 Search

The Search facility enables a user to locate specific information on the website. After a search has been done using a number of keywords, a certain data filter can be applied to filter out unwanted sections of the website. This often obtains faster and more accurate search results.

## 2.2 Features at the right side of the website

### 2.2.1 Choose language

The project is a cooperation between Chinese and European partners. Because of this it has been decided to make the website bilingual. On the right side of the website the visitor can choose between the languages Chinese or English by clicking the corresponding flag. The website will then switch to the associated webpage in the chosen language. (Fig. 12)

### 2.2.2 iSQAPER information system

Below the feature for choosing the desired language there is a logo with a link to the iSQAPER Information System. By clicking this logo, the user will be guided to the appropriate website. This website is meant for the dissemination of project results. (Fig. 12)

### 2.2.3 User login

All people involved in the project have their own unique username and password in order to get access to special parts of the website. By logging into the website, project partners have access to information meant for those who are involved in the project (Fig. 12). After a login has been established a Partner Menu will become visible to guide the user through the shielded part of the website (Fig. 13).

### 2.2.4 Website visitors

Statistics about the audience of the iSQAPER website are available by clicking on the world map located on the right side of the website. Cluster maps are available with information about the locations of the website visitors during certain periods (Fig. 12).

### 2.2.5 Project funding

The project is funded by a) the European Union's Horizon 2020 Programme for research and innovation, b) Chinese Academy of Agricultural Sciences, c) the Chinese Academy of Sciences and d) the Swiss State Secretariat for Education, Research and Innovation. A statement about funding has got a prominent place on the web site (Fig 12).

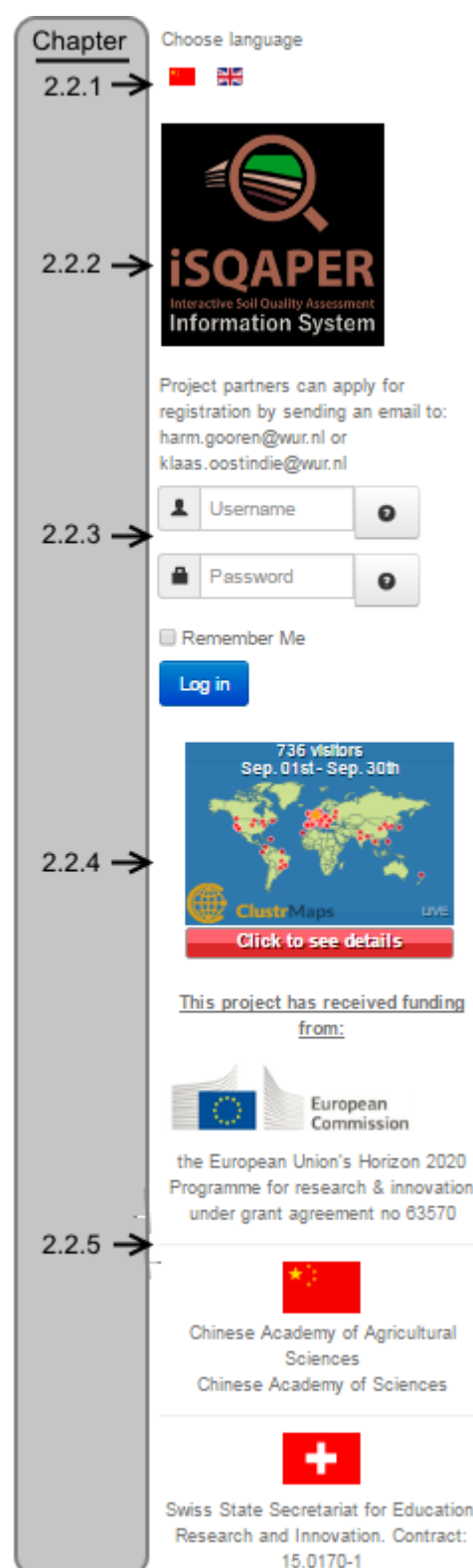
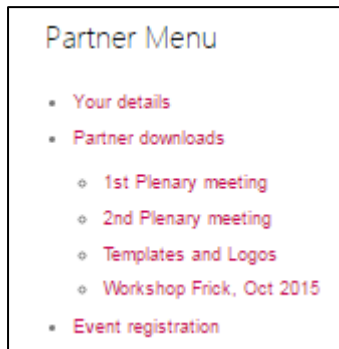


Figure 12. iSQAPER features situated at the right side of the website

## 2.3 Partner Menu

After logging into the website, the project partner will have extra website navigation possibilities by means of a partner menu. This menu is designed for project partners only



and offers access to documents and presentations and other information. Figure 13 gives an overview of the menu items of the partner menu. The menu can be adapted to future needs.

Figure 13. The Partner Menu

### 2.3.1 Your details

This item gives an overview about the profile data of the user. The user has the possibility to adapt data regarding Name, Password and Email address.

### 2.3.2 Partner downloads

This item is divided into some subcategories and it gives the user the opportunity to download information. The information to be downloaded is categorized into plenary meetings, workshops and templates and logos. Also documents regarding project management or reporting can be hosted here.

### 2.3.3 Event registration

Once an event is organized and open for registration, the user can register to the desired event by choosing this menu item. All plenary meetings will be announced as an event and partners will have possibilities to register for these events.

## 2.4 Bottom menu

The menu at the bottom of the website contains two items: 1) a copyright and disclaimer statement and 2) A link to the information system website of iSQAPER