

# H2020 Theme Oriented Training on ICT

## Finding and Understanding Calls

# Finding the right call

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Let us assume that:

- You have a clear idea of what you want to do in a H2020 collaborative project
- You also have decided which type of action you are looking for: RIA, IA, or CSA



# Finding the right call

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Example:

Imagine...

I am a professor at a university department for software development for cloud applications.

I want to develop a portable device for security clearance in a wide range of application scenarios, usable world-wide and based on secure cloud servers.



# The “Secure Access” Device



*Get access to all security restricted areas: banks, airports, or public administration, based on a once and only security clearance.*

# Finding the right call

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## How do you find a call for this idea ?

Unlikely !

There are about a dozen work programmes with > 100 pages each

1. You have a pretty good view of the different work programmes in LEIT and the Societal Challenges
2. You use the H2020 call pages to find out:  
Search for “security access cloud”



http://ec.europa.eu/research/participants/portal/desktop/en/home.html

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European Commission

# RESEARCH & INNOVATION

## Participant Portal

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ECAS-self-registration functionality will not be available on Friday 16/05/2014 between 12:00 and 14:00. We apologise for any inconvenience this may cause.

### Horizon 2020 Funding

Starting from 1/1/2014

On this site you can find and secure **funding** for research & innovation projects under the following EU programmes:

- **2014-2020** Horizon 2020 - research and innovation framework programme
- **2007-2013** 7th research framework programme (FP7) and Competitiveness & Innovation Programme (CIP)

Non-registered users	Registered users
<ul style="list-style-type: none"><li>• search for funding</li><li>• read the H2020 Online Manual &amp; download the</li></ul>	<ul style="list-style-type: none"><li>• submit your proposal</li><li>• sign the grant</li></ul>





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### Horizon 2020

Search Topics

Calls



Call Updates



### Other EU Programmes 2014-2020

Research Fund for Coal & Steel

COSME

3rd Health Programme

Consumer Programme



## Funding Opportunities

H2020 ONLINE

Find the European Union funding opportunities and search for new or old opportunities grouped by the following programmes:

- **Horizon 2020 - EU research funding from 2014**
- **Seventh Framework Programme (FP7)**
- **Competitiveness and Innovation Framework Programme (CIP)**
- **other research and innovation programmes**

### Horizon 2020



### COSME

Programme for the Competitiveness of Enterprises and Small and Medium Enterprises (COSME) will run from 2014 to 2020, with a planned budget of €2.3bn. It will facilitate SME finance, create supportive environment for business creation, help small businesses operate outside their home countries and improve their access to



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### Horizon 2020

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### Other EU Programmes -2020

Research Fund for Coal & Steel

ERDF

Health Programme

Rural Development Programme

## Horizon 2020

### Excellent Science

- European Research Council
- Future and Emerging Technologies
- Marie Skłodowska-Curie actions
- Research infrastructures

### Industrial Leadership

- Leadership in enabling and industrial technologies (LEIT)
- Access to risk finance
- Innovation in SMEs

### Type

- Proposal
- Tender

### Status

- Open
- Closed
- Forthcoming

Filter a call

FILTER

Filters only programme and call titles and IDs, for extended search go to the [Search Topics page](#).

Sort by



Title



Call Id



Publication Date



Deadline Date







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RE



### in 2020

Topics



dates



### EU Programmes 2020

Research Fund for Coal & Steel

Health Programme

Erasmus+ Programme

0

Results

Keyword Search:

Find a topic

SEARCH

If you don't find your topic, you can also use the [free text search](#).

Status

- Open
- Closed
- Forthcoming

Sort by

- Title
- Call Id
- Publication Date
- Deadline Date

In addition, [see all the open calls](#) of Marie Skłodowska-Curie actions (MSCA) and European Research Council (ERC) grants for individual researchers of any nationality and research teams. The MSCA grants include opportunities for companies and SMEs. **The MSCA and ERC grants are not restricted to specific topics.**



European Commission > Research & Innovation > Participant Portal > Search

security access cloud

Participant Portal EUROPA

21 Result(s) | Showing 1 – 10 for **security access cloud**

< previous 1 2 3 next >

**Sort by**

- relevance
- date

**Filter by** reset

- All Pages (14)
- FP7 Reference Documentation (12)
- H2020 Reference Documentation (3)
- H2020 Topics (21)**

**WEB DS-01-2014**

for verification and re-use, and how it will be curated and preserved. To **access** the Electronic Subr Service of the call, please select the type of action that is most relevant to your proposal from the list will then be linked to the correct entry point. To **access** existing draft proposals for this call, please log in to the Participant Portal and select the My Proposals page of the [ec.europa.eu/research/participants/portal/.../99-ds-01-2014.html](http://ec.europa.eu/research/participants/portal/.../99-ds-01-2014.html)  
16 May 2014

**WEB ICT-07-2014**

as heterogeneity of resources and devices, software-defined data centres and **cloud** networking, **sec** rising demands for better quality of user experience **Cloud** computing research will be oriented towards computational and data management models (at both infrastructure and services levels) that respond to the advent of faster and more efficient machines, rising heterogeneity of **access** [ec.europa.eu/research/participants/portal/.../83-ict-07-2014.html](http://ec.europa.eu/research/participants/portal/.../83-ict-07-2014.html)  
16 May 2014

# Finding the right call

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The majority of these findings do not match your idea, so you need to do different searches, for example with keywords “access control” only.

But with some patience and much less effort than going through all the work programmes you will find a number of interesting calls.



# The ICT Workprogramme

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## 1. Results found in the ICT programme:

- Search the LEIT-ICT Workprogramme for ‘cloud’:

ICT 7 – 2014: Advanced Cloud Infrastructures and Services

ICT 8 – 2015: Boosting public sector productivity and innovation through cloud computing services

ICT 9 – 2014: Tools and Methods for Software Development

... and EU-Brazil Research and Development Cooperation:

EUB 1 – 2015: Cloud Computing, including security aspects



# Societal Challenges

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2. In the Societal challenges “Secure societies – Protecting freedom and security of Europe and its citizens”:

**Call – Digital Security: Cybersecurity, Privacy and Trust**

DS-1-2014: Privacy

DS-2-2014: Access Control

DS-6-2014: Risk management and assurance models

DS-3-2015: The role of ICT in Critical Infrastructure Protection

DS-4-2015: Secure Information Sharing

DS-5-2015: Trust eServices



... the best match

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“DS-2-2014: Access Control” seems to fit best.

The call is for “Innovation Actions”

Funding between €3m and €8m EURO



The next steps are now:

1. Analyse the text, breaking it down to the main elements
2. Group these elements into workpackages
3. Identify profiles of the other partners you will need to team up with

# The SCOPE

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The focus is on the development and testing of usable, economic and privacy preserving access control platforms based on the use of biometrics, smart cards, or other devices.

The solutions are to be installed and tested in a broad-band network, giving access to smart services running over networks with state-of-the-art security, avoiding single points of failure.

Proposed work should include the management of the access rights in particular for the service providers, ensure the security and privacy of the databases, facilitate a timely breach notification and remediation to the user, and reduce the insider threat.

The proposed solutions have to guarantee interoperability and portability between systems and services, sparing the user to have to install a platform, service or country specific technology.

Proposed work could assist the objective of implementing a secure information sharing network.



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# The EXPECTED IMPACT

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## Expected Impact:



Actions supported under this objective will deliver secure, but user-friendly, access to ICT systems, services and infrastructures, resulting in a consumerisation of devices or access control.

The level of security of online services and critical infrastructures protected by these access systems should be demonstrably higher than by the state-of-the-art approach.

The proposed solutions are expected to support the creation of commercial services making use of electronic identification and authentication.

# The EXPECTED IMPACT

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The proposed solutions are expected to **support the creation of commercial services** making use of electronic identification and authentication.

# Back to the SCOPE:

The focus is on the **development and testing of usable, economic and privacy preserving access control platforms** based on the use of **biometrics, smart cards, or other devices.**

WP: Device Development

The solutions are to be installed and **tested in a broad-band network**, giving **access to smart services** running over networks with state-of-the-art security, avoiding single points of failure.

WP: Testing of Smart Service

Proposed work should include the **management of the access rights in particular for the service providers**, ensure the security and privacy of the **databases**; facilitate a **timely breach notification** and remediation to the user, and **manage the insider threat.**

WP: Access rights management

WP: Secure cloud databases

The proposed solutions have to guarantee **interoperability and portability between systems and services**, sparing the user to have to install a platform, service or country specific technology.

WP: Interoperability

Proposed work could assist the objective of **implementing a secure information sharing network.**

WP: Business plans



# Partner Profiles: required skills

WP: Device  
Development

Hardware, microsystems

WP: Testing of Smart  
Service

Service provider

WP: Access rights  
management

Secure software development

WP: Secure cloud  
databases

S/W development for Clouds

WP: Interoperability

More service providers in  
different countries

WP: Business plans

IT Solution provider(s)





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This was one essential step !

We have a clearer understanding of how to structure the work and which type of partners we need.

We can use this first breakdown to start developing the proposal.

# Ready to try yourself ?

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## Exercise

### *Global drivers of food security*



SFS-18-2015: Small farms but global markets: the role of small and family farms in food and nutrition security (FNS)

Specific challenge: The contribution of family farms and in particular smallholder farms to **Food and Nutrition Security (FNS)** has been gaining global attention, both in Europe and in the context of less developed countries. ...



# SFS-18-2015 (EUR 4–5 mill)

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**Scope:** Proposals should thoroughly assess the role of family farms and other small food businesses and particularly those with small structures in achieving sustainable FNS, evaluating the means by which such entities could respond to the expected increase in demand for food, feed and fibre under ever scarcer resources, as well as providing evidence and developing tools to guide decision makers in the choice and combination of intensification pathways. Research should identify the optimal enabling environment for small and family farms and businesses to accomplish the aforementioned role on FNS and the multiple dimensions of sustainability with respect to infrastructure, supply chain and governance needs. Foresight activities should be carried out to project the potential weight and role of the aforementioned entities in a few decades' time, regarding the various dimensions of sustainability, including the challenges of less developed countries' growing rural densities. Research work should build upon existing knowledge and take into account activities related to the 2015 International Year of Family Farming and Smallholder Farming. In line with the objectives of the EU strategy for international cooperation in research and innovation and in particular with the implementation of the EU-Africa dialogue, proposals are encouraged to include third country participants, especially those established in Africa and Asia.

# SFS-18-2015 (EUR 4–5 mill)

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## Expected impact:

- provide a better understanding of the role of small and family farms and small food businesses in meeting the sustainable FNS challenge (across its various dimensions) encompassing the implications on small and medium size businesses along the supply chain and within the context of demographic developments
- help better tailoring international cooperation and agricultural research for development to the agro-food sector
- contribute to policy making for the identification of new development models for the agro-food sector.





# Proposed solution

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**Scope:** Proposals should thoroughly **assess** the role of **family farms and other small food businesses** and particularly those with small structures in achieving **sustainable FNS**, evaluating the means by which such entities could respond to the expected increase in **demand for food, feed and fibre under ever scarcer resources**, as well as **providing evidence** and **developing tools** to guide decision makers in the choice and combination of intensification pathways. Research should **identify the optimal enabling environment** for small and family farms and businesses to accomplish the aforementioned role on FNS and the **multiple dimensions of sustainability** with respect to infrastructure, supply chain and governance needs. **Foresight activities** should be carried out to project the potential weight and role of the aforementioned entities **in a few decades' time**, regarding the various dimensions of sustainability, including the challenges of **less developed countries' growing rural densities**. Research work should build upon **existing knowledge** and take into account activities related to the **2015 International Year of Family Farming and Smallholder Farming**. In line with the objectives of the EU strategy for international cooperation in research and innovation and in particular with the **implementation of the EU-Africa dialogue**, proposals are encouraged **to include third country participants, especially those established in Africa and Asia**.

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- help better **tailoring international cooperation** and agricultural research for development to the agro-food sector
- contribute to **policy making** for the identification of **new development models** for the agro-food sector.



# Proposed solution

**Scope:** Proposals should thoroughly assess the role of small food businesses and particularly those with small FNS, evaluating the means by which such entities could respond to the expected increase in demand for food, feed and fibre under ever scarcer resources, as well as providing evidence and developing tools to guide decision makers in the choice and combination of intensification pathways. Research should identify the optimal enabling environment for small and family farms and businesses to accomplish the aforementioned role on FNS and the multiple dimensions of sustainability with respect to infrastructure, supply chain and governance needs. Foresight activities should be carried out to project the potential weight and role of the aforementioned entities in a few decades' time, regarding the various dimensions of sustainability, including the challenges of less developed countries' growing rural densities. Research work should build upon existing knowledge and take into account activities related to the 2015 International Year of Family Farming and Smallholder Farming. In line with the objectives of the EU strategy for international cooperation in research and innovation and in particular with the implementation of the EU-Africa dialogue, proposals are encouraged to include third country participants, especially those established in Africa and Asia.

WP: Assessment of small farms  
Demographic Development

WP: Tools for decision makers

WP: Enabling environment

WP: Foresight study – long term  
Policy recommendation

WP: Third countries  
Tailor Int'l cooperation