

# The mobilization of agricultural solid biomass for local energy

15<sup>th</sup> February 2017. Brussels

Results of the SUCELLOG project:  
**Triggering the creation of biomass  
logistic centres by agro-industries**



Co-funded by the Intelligent Energy Europe  
Programme of the European Union

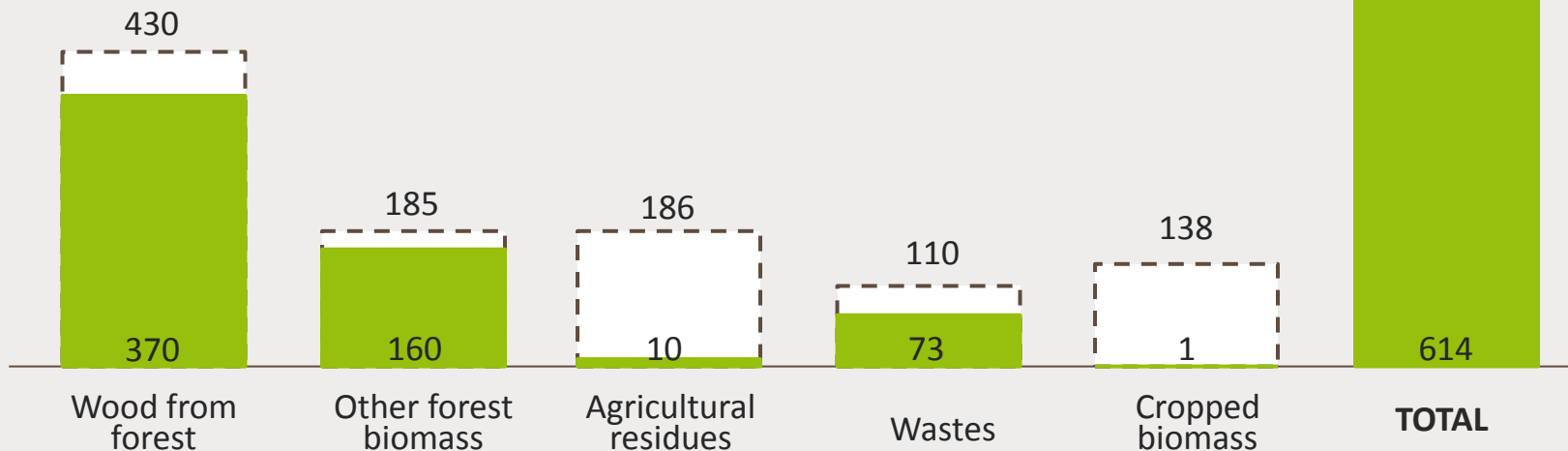
# Potential of agricultural resources

“There is **significant potential to expand** the share of energy & materials production from biomass in a 2020-2030 timeframe in a sustainable way and without entering into conflict with food and feed security”

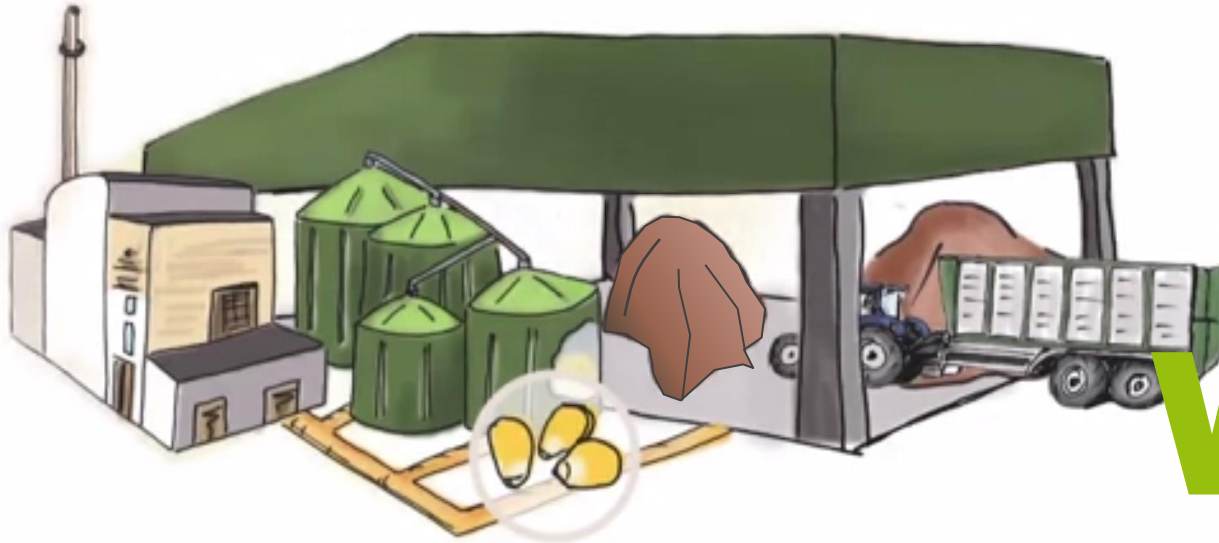
*(S2Biom project (7<sup>th</sup> FP) –Overview report on the current status of biomass for bioenergy, biofuels and biomaterials in Europe)*

“To support this growth all studies agree that we have to **unlock the potential of certain resources** that are currently underutilised and the agriculture resources are one of them”

Million t of biomass (Currently used / total potential) - 2030



Let's make agro-industries **key actors**  
in the supply of solid biomass for Europe!



# WHY?

Equipment & facilities  
**compatible** with  
solid biomass  
production

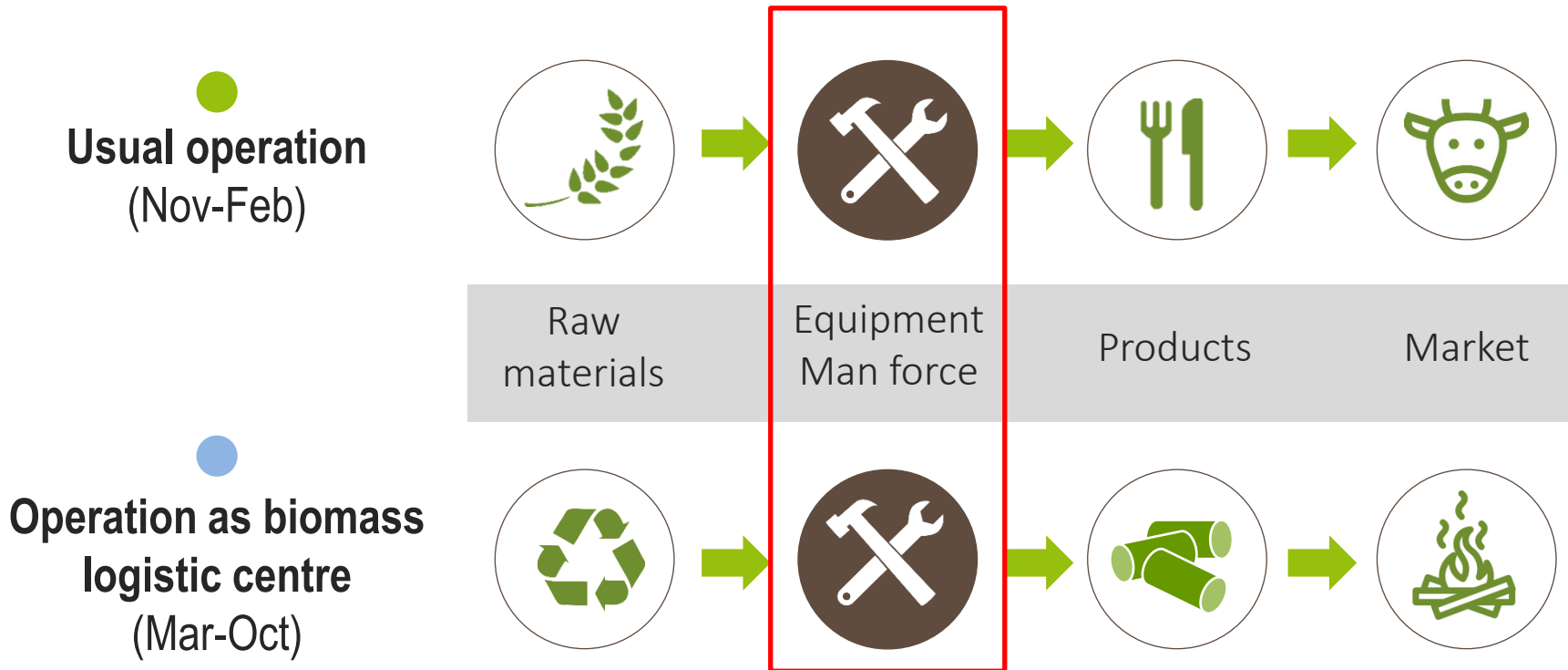
Work under  
**seasonal** regime

They are **key**  
actors in the  
territory

They produce  
**residues** or  
surrounded by  
residues

Experience with  
organic  
feedstocks and  
aware about  
**quality** assurance

# SUCELLOG concept



valueCHAIN **HEAT** From residue to sub-product BIOeconomy  
**Partnerships** **SIL** **O** **dust** Feedstuff producers  
Overlaid maize silage  
lucerne dehydration facilities RURAL **SUCELLOG**  
AGROindustries **CONCEPT**  
Cereal straw  
Olive pomace industries  
**RURALEconomy** marketUPTAKE agriculture  
lavender straw  
**distilleries** Olive oil mills  
Local use of agricultural residues: agroindustrial or on-field biomass **Olive pits** innovation  
farmer  
**Grape stem** **Circular economy**  
logistics StrategicLine **wineries** Synergy with main activity  
Cereal dryers  
Maize cobs  
SUSTAINABILITY **Self-consumption**  
**NO** **competing** **USES** Olive pomace Wood prunings

# Potential agro-industries



# Potential biomass resources



valueCHAIN **HEAT** From residue to sub-product BIOeconomy  
**Partnerships SILOdust** Feedstuff producers  
 lucerne dehydration facilities RURAL **Overlaid maize silage**  
 AGROindustries **SUCELLOG**  
**Cereal straw** **CONCEPT**  
 Olive pomace industries **RURALEconomy** marketUPTAKE agriculture  
**distilleries** **lavender straw** Olive oil mills  
 Local use of agricultural residues: agroindustrial or on-field biomass **Olive pits** innovation  
 farmer **Grape stem** **Circular economy**  
 logistics StrategicLine **wineries** Synergy with main activity  
**Maize cobs** **Cereal dryers**  
 SUSTAINABILITY **Self-consumption**  
**NOcompetingUSES Olive pomace** Wood prunings

# Project features



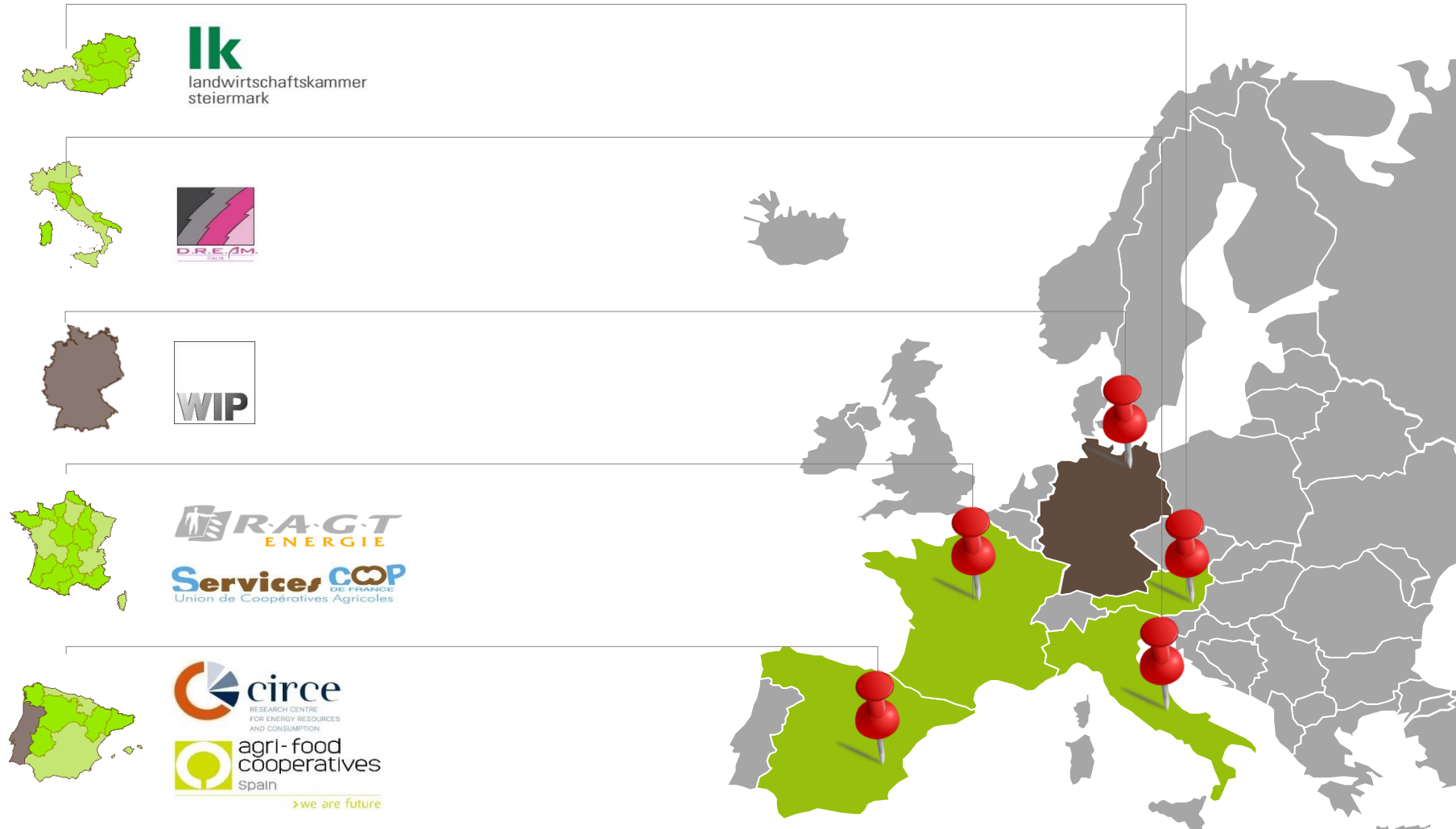
Total Budget  
1.826.044 €



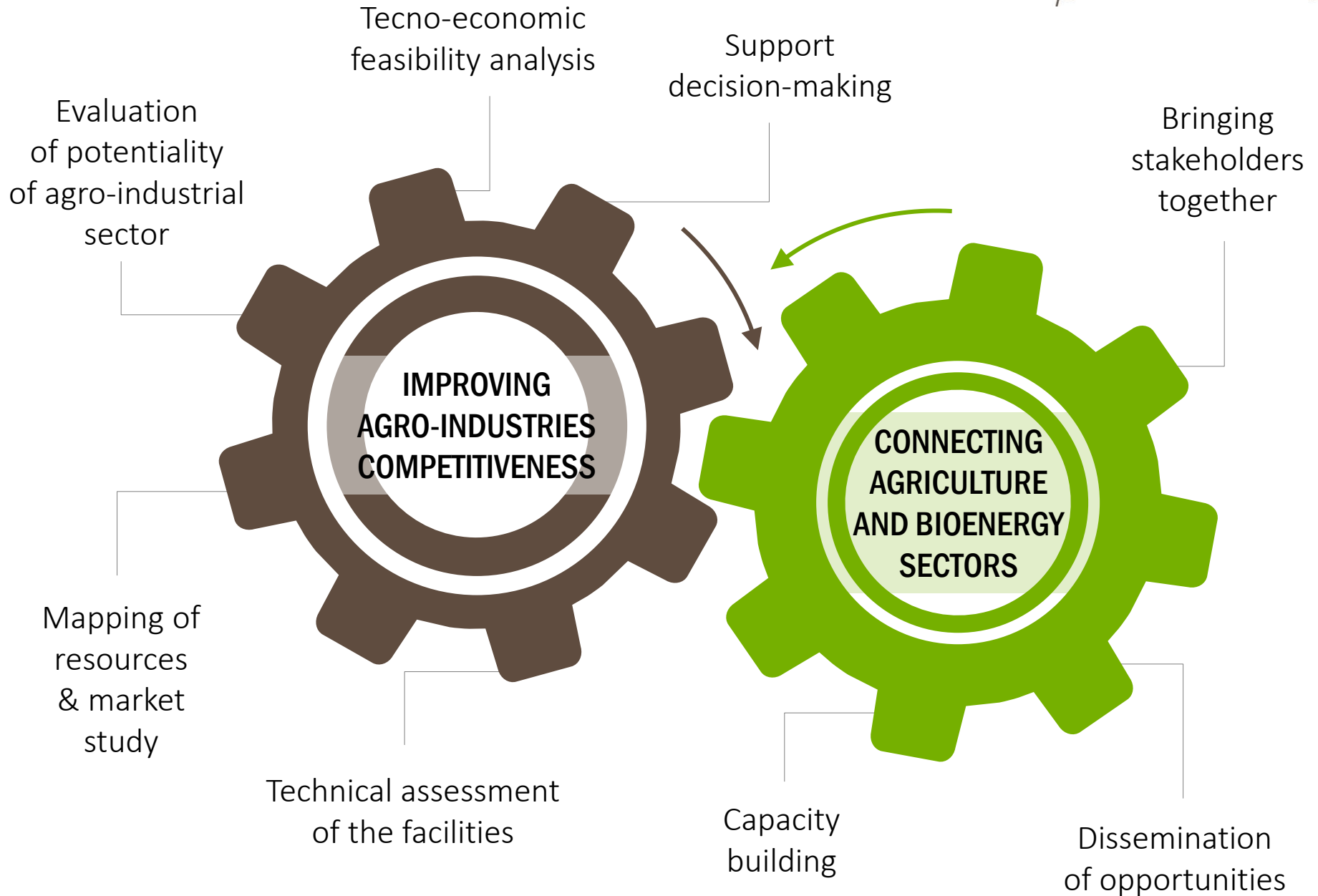
EU Funding  
1.369.532 €



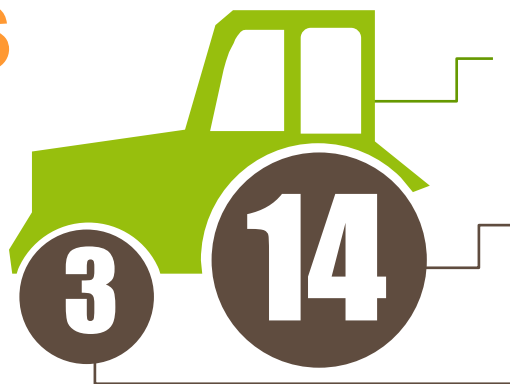
Length  
April 2014 – March 2017







# OUT PUTS



**63** Agro-industries supported

AGRO-INDUSTRIES GIVING STEPS TOWARDS becoming a biomass logistic centre in a short-term

BIOMASS LOGISTIC CENTRES integrated in an agro-industry created

## MATERIALS



**4** Tailor-made business models to become agricultural biomass logistic centres



**7** Handbooks and guidelines oriented to the agriculture sector

## NETWORKING

**68**  
Policy-makers engaged

**146**  
Personal meetings to identify sector opportunities and barriers

**166**  
Publications with +2 mill. people audience

**+700**  
Contacts carried out with the agrarian and bioenergy sectors

**+160**



Potential actors of initiatives engaged in bilateral meetings

## ATTENDANTS

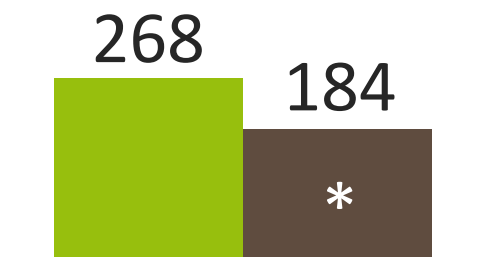
to European, national and regional workshops

**1171**

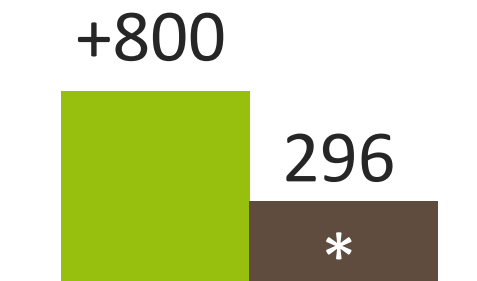
**38**

TECHNICIANS TRAINED from agrarian associations

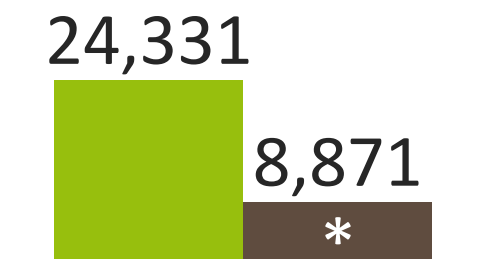
# PROJECT IMPACTS



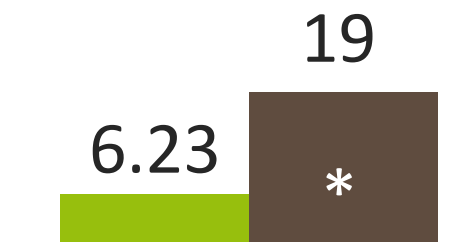
MEETINGS with stakeholders and policy-makers



Stakeholders from agriculture sector in DISSEMINATION activities



toe AGRICULTURAL RESIDUES MOBILISED- SHORT TERM



€ LEVERAGED PER € FUNDING - SHORT TERM

\* Average IEE bioenergy projects (reliable and acceptable data; not counting SUCELLOG)

**A** MARKET

**B** LACK OF  
AWARENESS/KNOWLEDGE

**C** POLICY , REGULATORY  
AND LEGISLATIVE  
FRAMEWORK

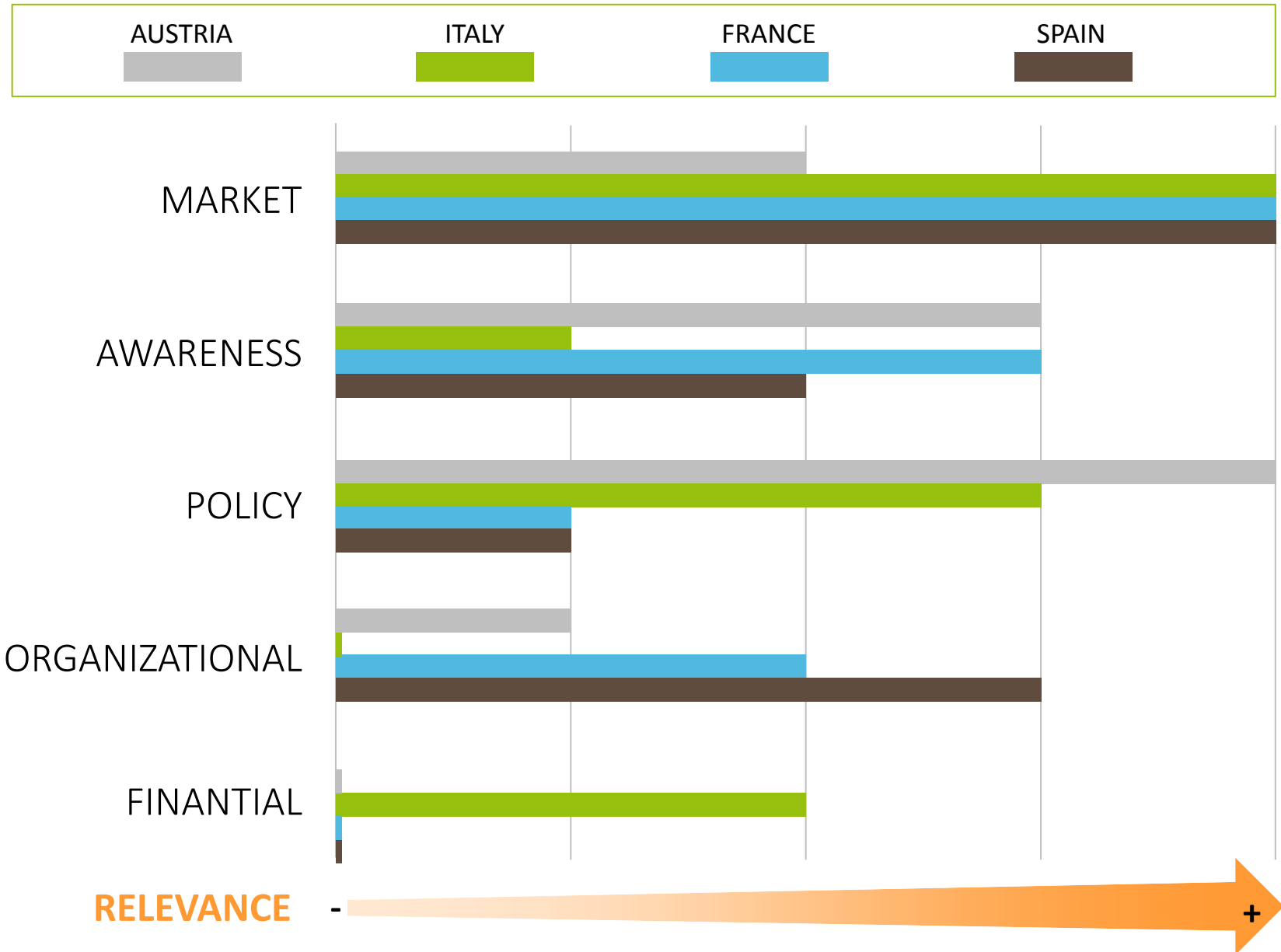
**D** ORGANISATIONAL ISSUES

**E** FINANTIAL SITUATION

SUCELLOG  
CONCEPT



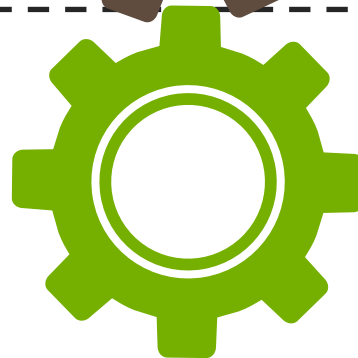
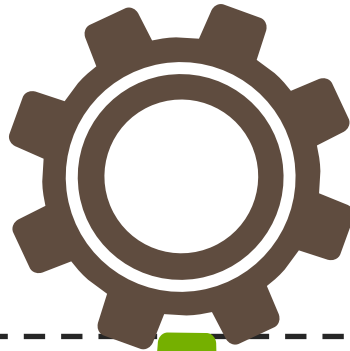
MAIN  
BARRIERS



# OUTPUTS

- 63 Agro-industries supported
- 38 Technicians trained from agrarian associations
- 1171 Attendants to national and regional workshops
- 
- 
- 

IMPROVING  
AGRO-INDUSTRIES  
COMPETITIVENESS



CONNECTING  
AGRICULTURE  
AND BIOENERGY  
SECTORS

→ replicability

## ACTIVE PROJECTS

- AGROinLOG (H2020)  
5.9 M€
- RDP (*Spain*)  
78,378 €
- ADEME Fond Chaleur  
(*France*) 787,450 €

## REQUESTED PROJECTS

- RDP (*Italy*):  
15,000 €
- ADEME Fond Chaleur  
(*France*) 60,000 €

SUCELLOG  
PULL EFFECT

## 4 ELEMENTS

### 1 KEY FOR THE RURAL BIO-BASED ECONOMY

Agro-industries are positioned in the rural economy

Young people eager of innovation

Support instruments already there

Problems of residue management and heat self-demand coverage





# Thank you for your attention !!

Eva López

[evalohe@fcirce.es](mailto:evalohe@fcirce.es)

Find out more at  
[www.sucellog.eu](http://www.sucellog.eu)



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