



**EMBRAPPII**

Empresa Brasileira de Pesquisa  
e Inovação Industrial

**Brazilian Agency for Research and Industrial Innovation**

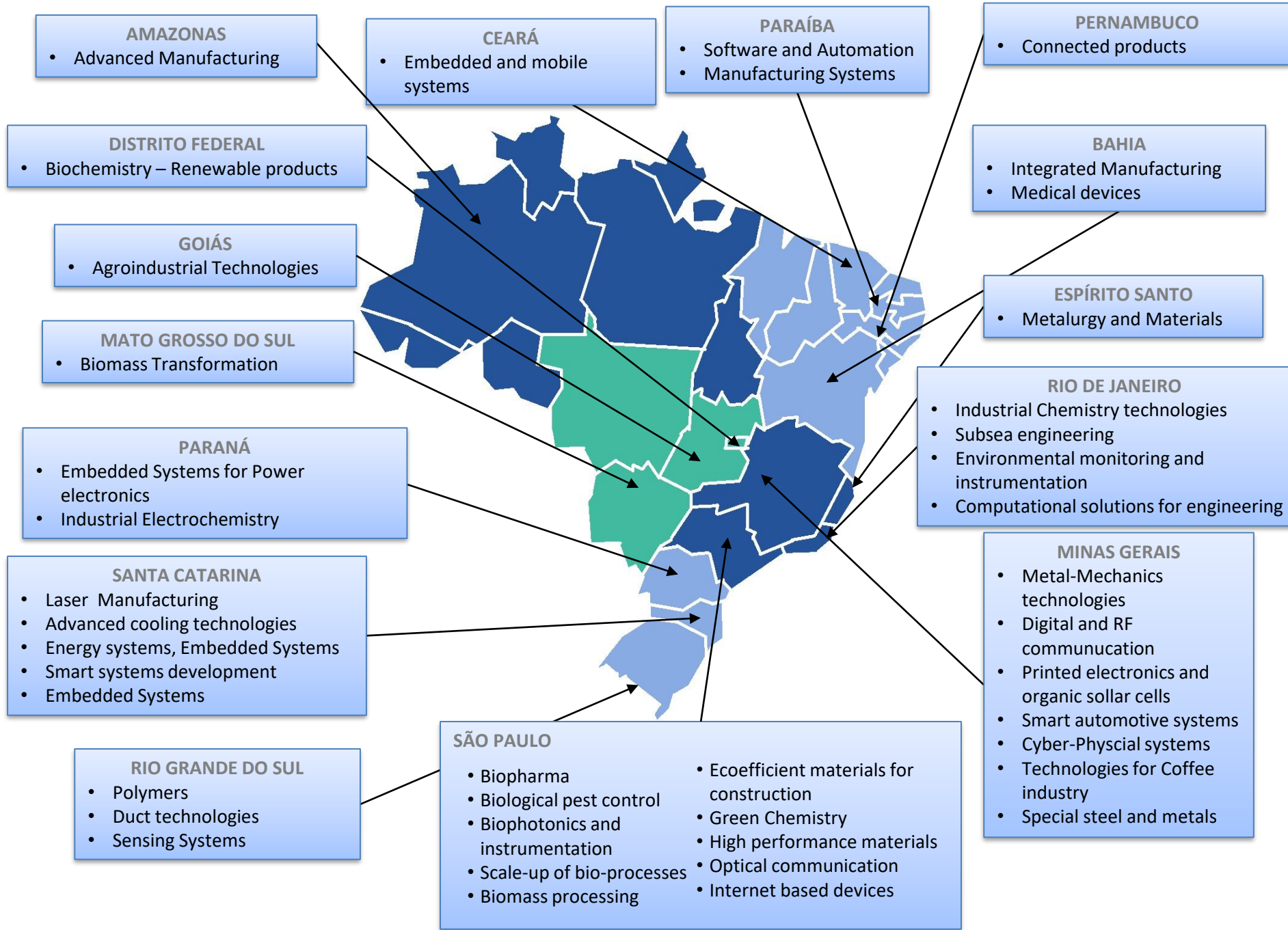
# Embrapii 's model aims at:

- lowering the financial risks industrial companies in R&D
- responding to the demands of the private sector
- promoting collaboration among Institutions of Science and Technology, industrial companies and the network of Embrapii Units
- offering easy and flexible way of contracting R&D projects with private companies, with continuous flow of funding (no calls for project funding)

# What are Embrapii's Units:

- Centers of excellence for R& and Innovation
- Technical skills and competence
- Modern facilities
- Previous experience in developing projects with industry
- Technological focus
- Competitive process of selection and accreditation credenciamento

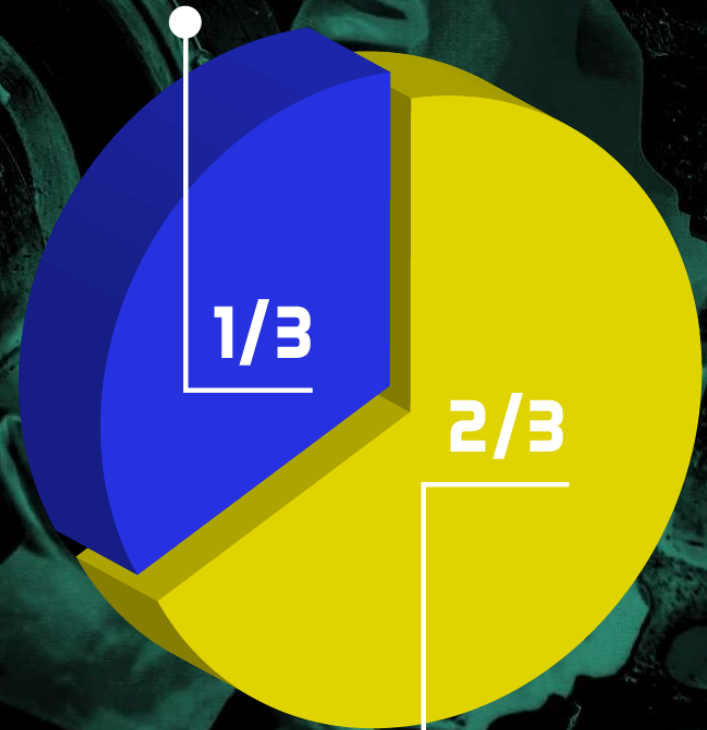
**42 Embrapii Units  
with trained  
professionals in  
R&D projects  
working in well  
equiped facilities  
and labs**



# Model of Financing

- Costs are shared by Embrapii, the Units and the industries
- No refunding from Embrapii's resources up to 1/3 of the cost of the project
- Industries have to fund at least 1/3 of the cost of their projects
- Embrapii's Units participate with resources or in kind

EMBRAPII  
(Recursos não-reembolsáveis)



Empresas Industriais  
+  
Unidades EMBRAPII

# Project negotiation

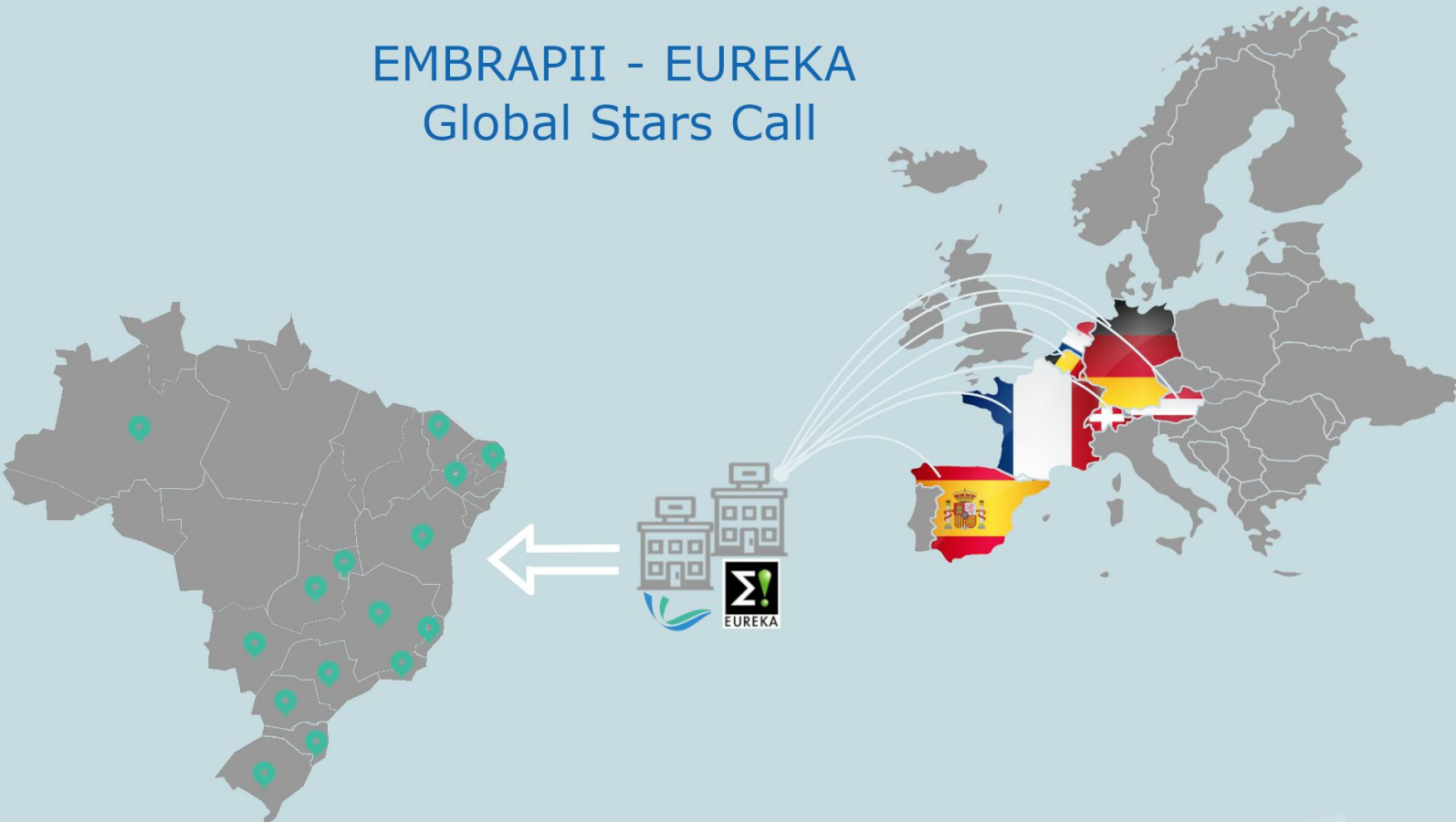
- No public calls
- Resources are allocated in the Units



# Embrapii/Eureka Funding Procedures

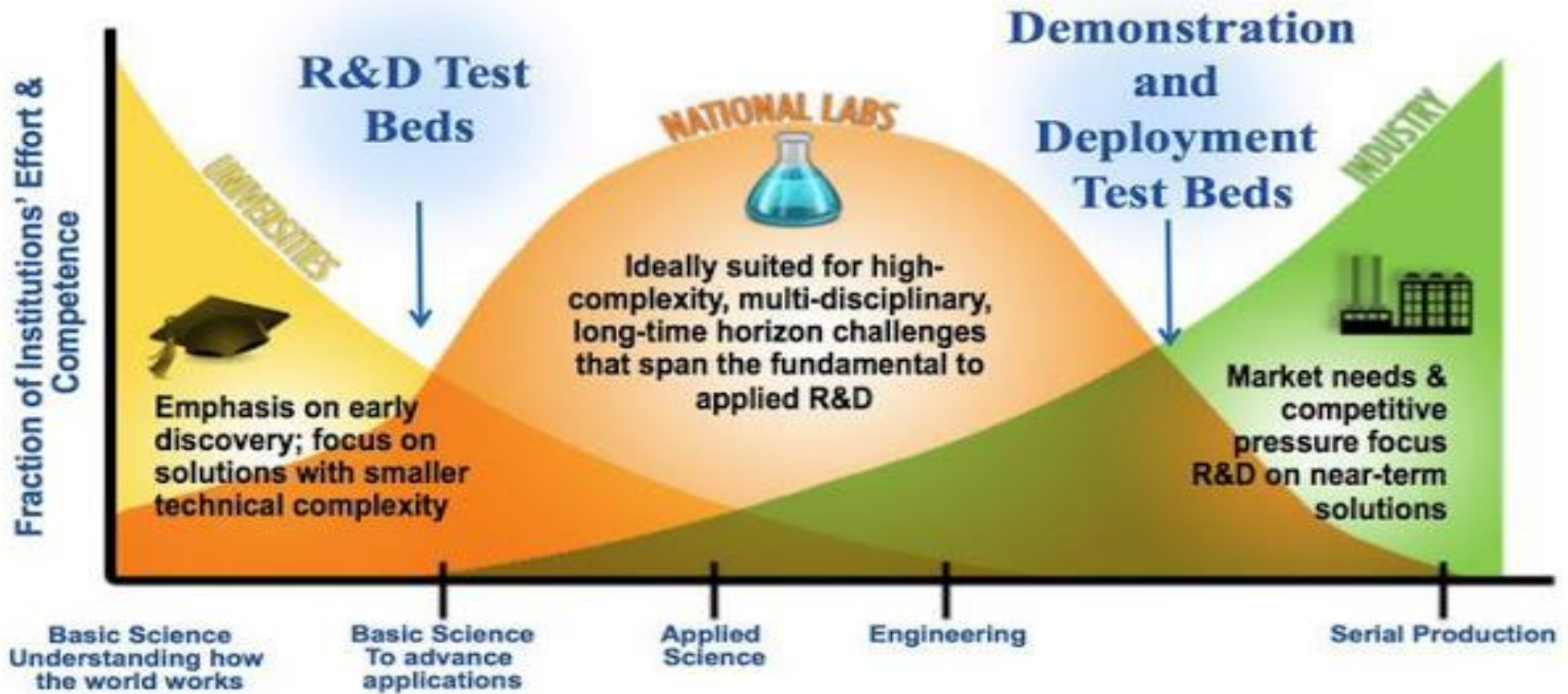
- Evaluation of the proposal: Embrapii Unit
- Timeline: Continuously (no public calls)
- Criteria for application: any Brazilian industrial enterprise with CNAE (Classificação Nacional de Atividade Empresarial) classification (multinationals are eligible)
- The process: Enterprise and Embrapii Unit agree upon the terms of their collaboration (IP, working flow, resource allocation, etc.) and sign contract;
- Official approval timeline: continuously
- Funding is allocated at the Embrapii Unit to start research immediately

# EMBRAPII - EUREKA Global Stars Call



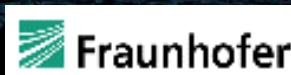


# Bridging the “Valleys of Death”



Co-Authored by Jessica Lovering, The Breakthrough Institute, and Todd Allen, Idaho National Laboratory

# International cooperation: institution partnerships



Innovate UK



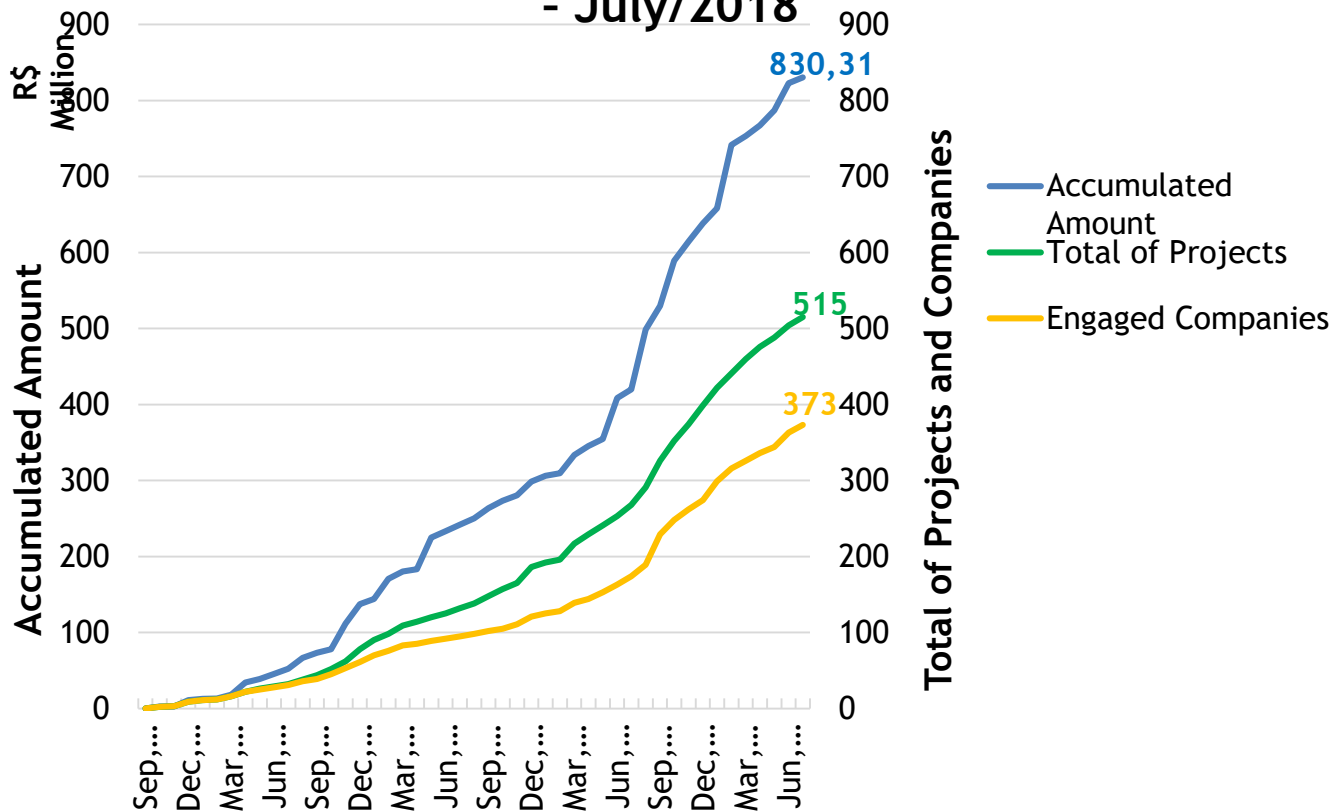
MINISTÉRIO DA SAÚDE

MINISTÉRIO DA EDUCAÇÃO

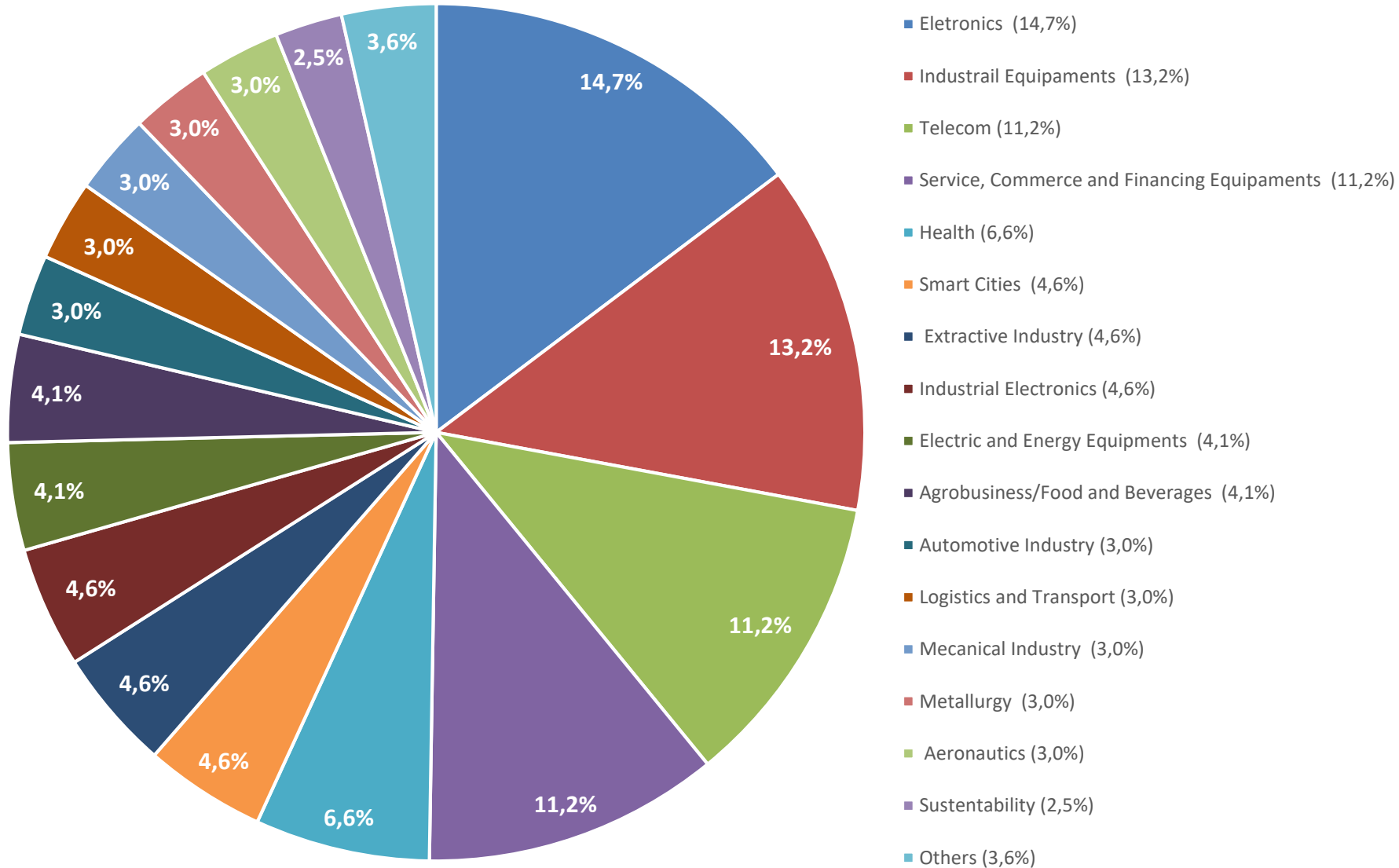
MINISTÉRIO DA CIÊNCIA, TECNOLOGIA, INOVAÇÕES E COMUNICAÇÕES



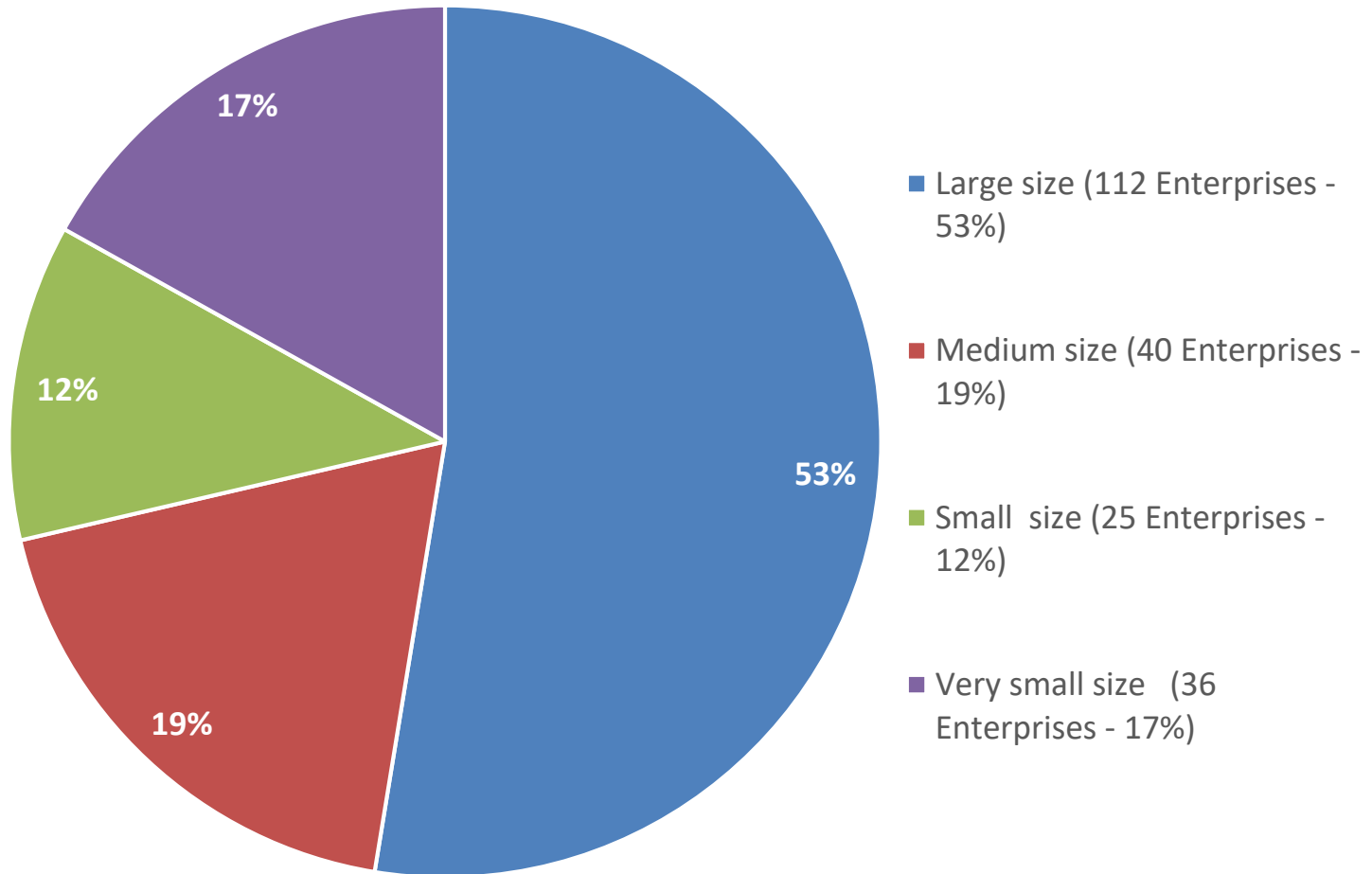
## Accumulated amount of projects and companies - July/2018



# Breakdown by Project Areas

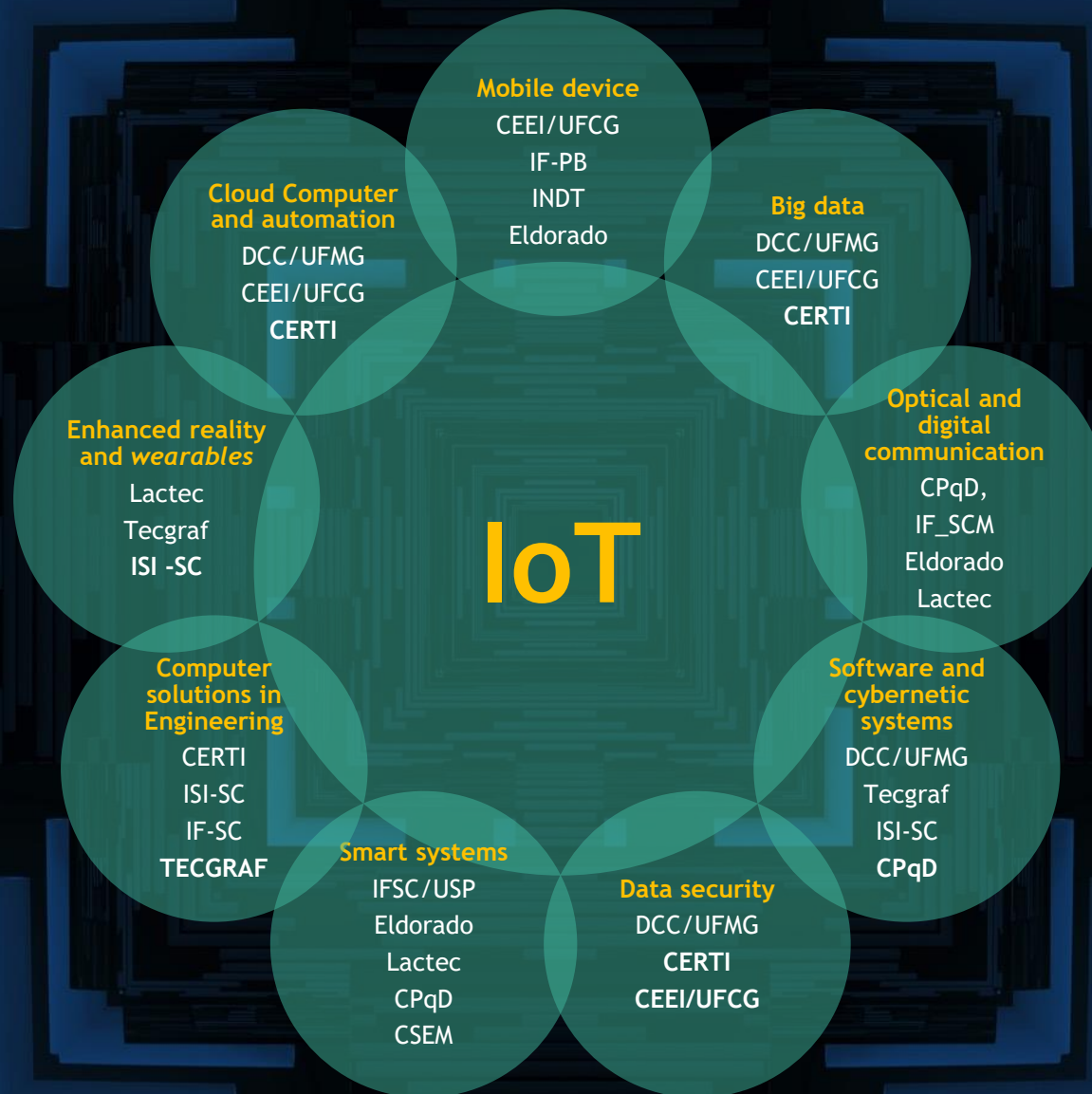


# Size of Contracted Enterprises



# Institutional partnerships in order to facilitate loans or grants to Brazilian industrial companies





# Mechanics and Manufacturing

## High performance materials

CNPEM  
IPT-Mat  
CSEM  
INT

## Artificial intelligence

DCC/UFMG  
CEEI/UFMG

## Big data

DCC/UFMG  
CEEI/UFMG

## Integrated manufacturing

Senai Cimatec  
Senai Joinville

## Green Chemistry and Bioeconomy

TECNOGREEN-USP  
IPT-Bio  
EMBRAPA; ESALQ  
CNPEM; ISI-Biomassa

## Industrial chemical technology

INDT  
Tecgraf/PUC-Rio  
IF-PB  
ISI - RS

## Nanotechnology

PT-Mat  
CNPEM

## IoT

IFSC/USP  
C.E.S.A.R.  
CPqD  
Lactec

## Smart Systems

Certi  
Eldorado  
Inatel  
ISI - SC  
IF - SC



# Medical, hospital and labs equipments

## Integrated manufacturing

Senai Cimatec  
Senai Joinville  
ISI-MG

## High performance materials

CNPEM  
EMBRAPA  
ISI- Biomassa  
ISI polímeros  
IPT-Mat  
CSEM

## Health software and automation systems

CEEI/UFMG  
Cesar  
DCC UFMG  
INDT  
IFPB  
TECGRAF

## Robotics

Senai Cimatec  
CERTI  
Eldorado

## Big data analysis

DCC/UFMG  
CEEI/UFMG  
TECGRAF

## Sensors

IFSC/USP  
ISI - Embarcados  
ISI - Sensoriamento  
IF BA

## Biotechnology

IPT-Bio  
EMBRAPA  
CNPEM  
CQMED

## IoT

Cesar  
Eldorado  
CPQD  
INATEL

## Nanotechnology

IPT-Mat  
CNPEM

## Huma-machine interaction

IFSC/USP  
IFBA  
CPQD  
DCC UFMG

## Wearable devices

Eldorado  
CEEI/ UFG  
CERTI  
IFCE

## Smart systems

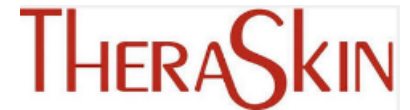
Certi  
Eldorado  
Senai Cimatec  
Lactec



48 %  
industrial  
participation  
in total  
funding



Stor



# Some industrial Partners



# Some industrial Partners





**Thank you!**

Mais informações:  
[www.embrapii.org.br](http://www.embrapii.org.br)



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