Biocircle

A collection of project case studies

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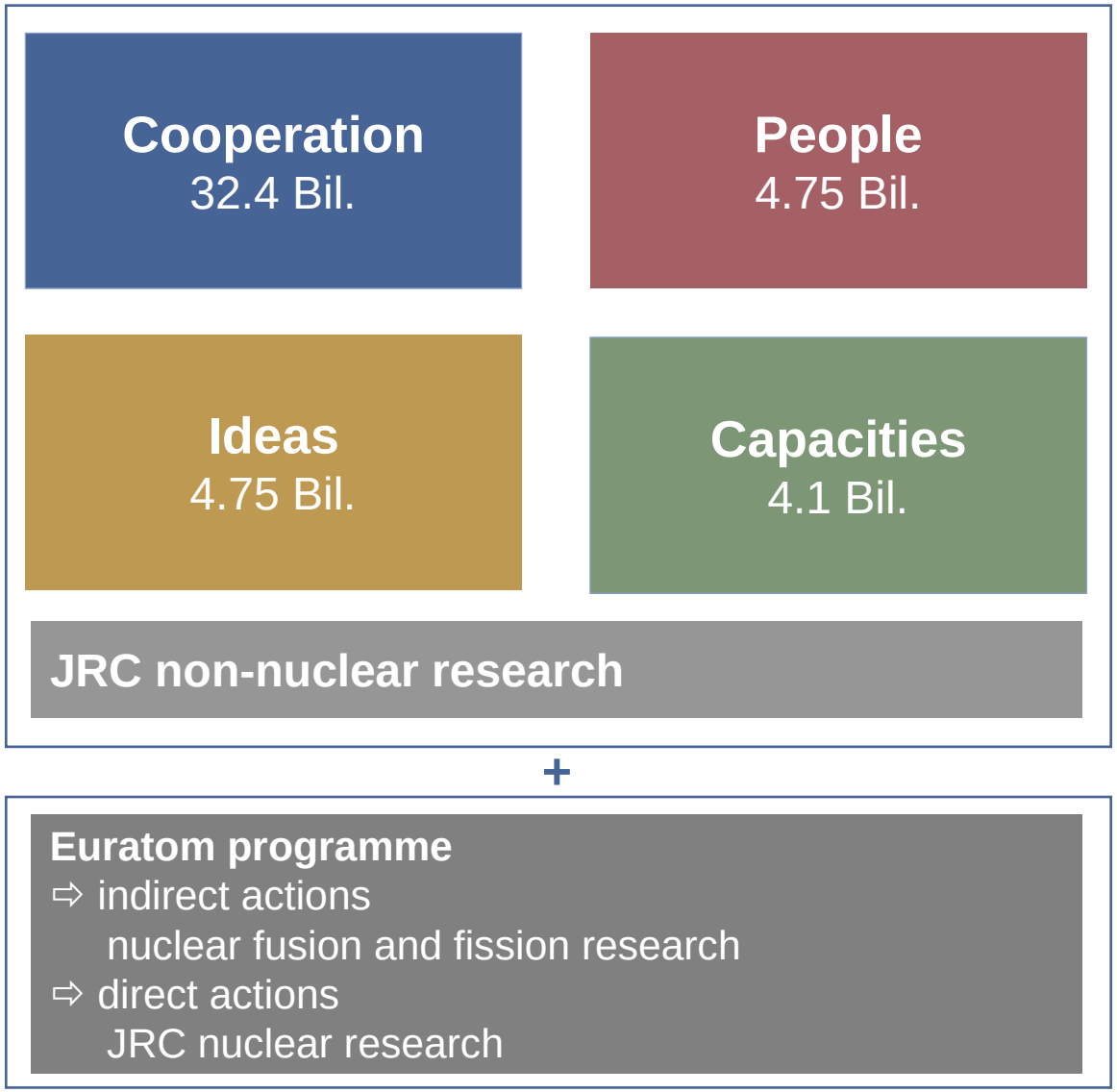

Cooperation
32.4 Bil.
People
4.75 Bil.
Ideas
4.75 Bil.
Capacities
4.1 Bil.
JRC non-nuclear research
+
Euratom programme
⇨ indirect actions
nuclear fusion and fission research
⇨ direct actions
JRC nuclear research

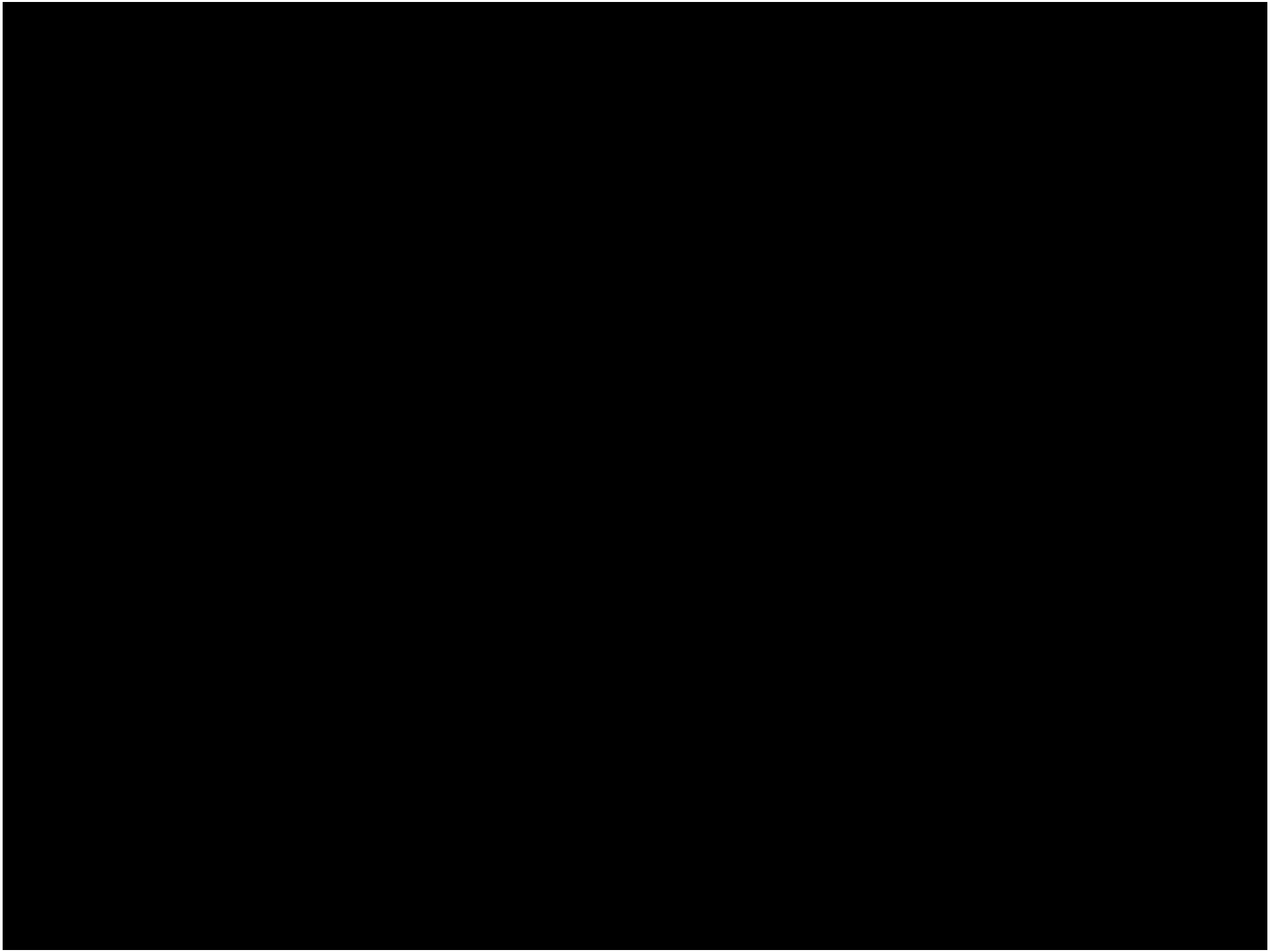
Types of projects in FP7

- **Bottom-up** approach, e.g.:
  - Activities for the benefit of SMEs (under Capacities)
  - European Research Council projects (under Ideas)
  - Marie Curie projects (under People)

- **Top-down** approach – Cooperation
  - **Collaborative projects** (CP), aiming at the generation of new knowledge
  - **Networks of excellence** (NOE), aiming at the integration of activities of "excellent" research centres and organisations
  - **Support actions** (CSA-SA), aiming at supporting a group, promoting a policy, facilitating a process, etc. – no research involved
  - **Coordination actions** (CSA-CA), aiming at coordinating research activities – no research involved

Activities for the benefit of SMEs

- **Objective**: Fund research the can be **readily used** by a group of SMEs to solve a problem, develop a product, etc.
- No set topics
- Research performers (RTDs) are **subcontracted** to the SMEs, typically with no exploitation rights on their results
- SMEs must be **strongly** motivated:
  - project funding = 110% of RTDs cost



Cooperation – Theme 2
Knowledge Based Bio Economy

Sustainable production and management of biological resources from land, forest and aquatic environments

- **FutureFarm**

- **Start Date:** 2008-01-01
  Duration: 36 months
  Project Cost: 3.79 million euro
  Contract Type: Small or medium-scale focused research project
  Project Funding: 2.99 million euro

- Coordinator: CERETETH (GR)
- 15 partners
- 10 EU countries
- Balance between research organisations and enterprises (incl. farmers)

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FutureFarm

- Meeting the challenges of the farm of tomorrow by integrating Farm Management Information Systems to support real-time management decisions and compliance to standards

- Precision agriculture
- Improve economics
- Reduce environmental impact
- Look at social aspects
- Design robotic-assistants
- Consider aspects of bio-fuels

- SARNISSA

- **Start Date:** 2008-02-01
  Duration: 36 months
  Project Cost: 1.22 million euro
  Contract Type: Coordinatic actions
  Project Funding: 996036 euro
- Coordinator: University of Sterling (UK)

Objectives:

- Build a sustainable aquaculture research network based on academics and other professionals between Europe and Africa, with a focus on Sub-Saharan Africa.

- Strengthen alliances among experienced and emergent players in the African aquaculture scene

- Partners is UK, France, Egypt, Thailand, Malawi, Cameroon, the Netherlands

Pond culture - Guinea

Life Sciences, biotechnology and biochemistry for sustainable non-food products and processes

- ICON – “Industrial Crops producing added value Oils for Novel chemicals”

- **Start Date:** 2008-03-01
  Duration: 60 months
  Project Cost: 11.21 million euro
  Contract Type: Large-scale integrating project
  Project Funding: 5.79 million euro

- Coordinator: Swedish University of Agricultural Science (SE)

Objectives:

- Developing added value oils in dedicated industrial oil crops mainly in form of various wax esters particularly suited for lubrication.
- Develop a tool box of genes and understanding lipid cellular metabolism in order for rational designing of vast array of industrial oil qualities in oil crops.
- Use communication and openness to overcome skepticism on GM plants

- 25 partners (incl. China, Canada*, Australia*, US*)

**without EC contribution*

Fork to farm: Food (including seafood), health and well being

BASEFOOD – "**Sustainable exploitation of bioactive components from the Black Sea Area traditional foods"**

- **Duration:** 36 months
  Project Cost: 3.69 million euro
  Contract Type: Collaborative project for specific cooperation actions dedicated to international cooperation partner countries (SICA)
  Project Funding: 2.91 million euro

- 13 partners, incl. Russia, Ukraine, Serbia and Georgia

Objectives:

- Study selected traditional foods which can support health and nutritional claims;
- Produce analytical data of the overall nutritional and characteristic bioactive content of selected foods
- Study key micro-organisms for both food processing and food safety;
- Generate experimental data from in vitro, in vivo and clinical trials, adequate for health claim substantiation;
- Study the attitude of consumers towards Black Sea area traditional foods;

Final Remarks…

- FP7 projects are:
  - Diverse in terms of involved disciplines
  - Open to international cooperation, especially where synergies can lead to mutual benefits or tackle problems

- Critical aspects:
  - Good networking base for the potential partners
  - Knowledge of the areas addressed in each call
  - Sufficient understanding of the desired impact

Thank you for your attention !