Special consideration is special: APT's initiatives and goals

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1. Overview of the APT

Overview of the APT

- **Inter-Governmental organization** established by **UNESCAP and ITU in 1979**
- **Objective** :

    To foster the development of telecommunication services and information infrastructure throughout the region with a particular focus on less developed areas

- **Two Key functions** of APT:

- **Consolidate regional voice of the region**

- **Promote ICT development in the region**

APT Membership

Members	Associate Members	Affiliate Members
38	4	136

(as of August 2015)

2. APT project

APT initiatives

ICT Development Programme for Supporting ICT Pilot Projects in Rural Areas (J3)

LIST OF ON-GOING J3 PROJECTS

Projects for FY 2014 (2 Project)

1. Implementation of Broadband Network using the VSAT System in Rural Areas – Mongolia
2. A Pilot Project for Realizing Full Time Active Volcano Surveillance, Geohazards Monitoring, and Creating Disaster Emergency Information Dissemination Station together with the Provision of Internet Wireless Broadband Services to the Selected School and the Nearby Communities - Vanuatu

#### Projects for FY 2013 (1 Project)

1. Digitalization of maternal and postnatal care system (DigiMAPS) Implementation in Bandung Barat District - Indonesia

Projects for FY 2012 (2 Projects)

1. Pilot Project for the Establishment of Village Internet Shops Fully Powered by Solar Energy in Fifteen Villages of Rural Nepal to Provide Multiple ICT Services and For the Deployment of Wireless Tracking System for School Children and Trekkers on the Mountain Trails for Safety – Nepal
2. Pilot Project for e-disaster communication network in rural island environment - Tonga

APT initiatives

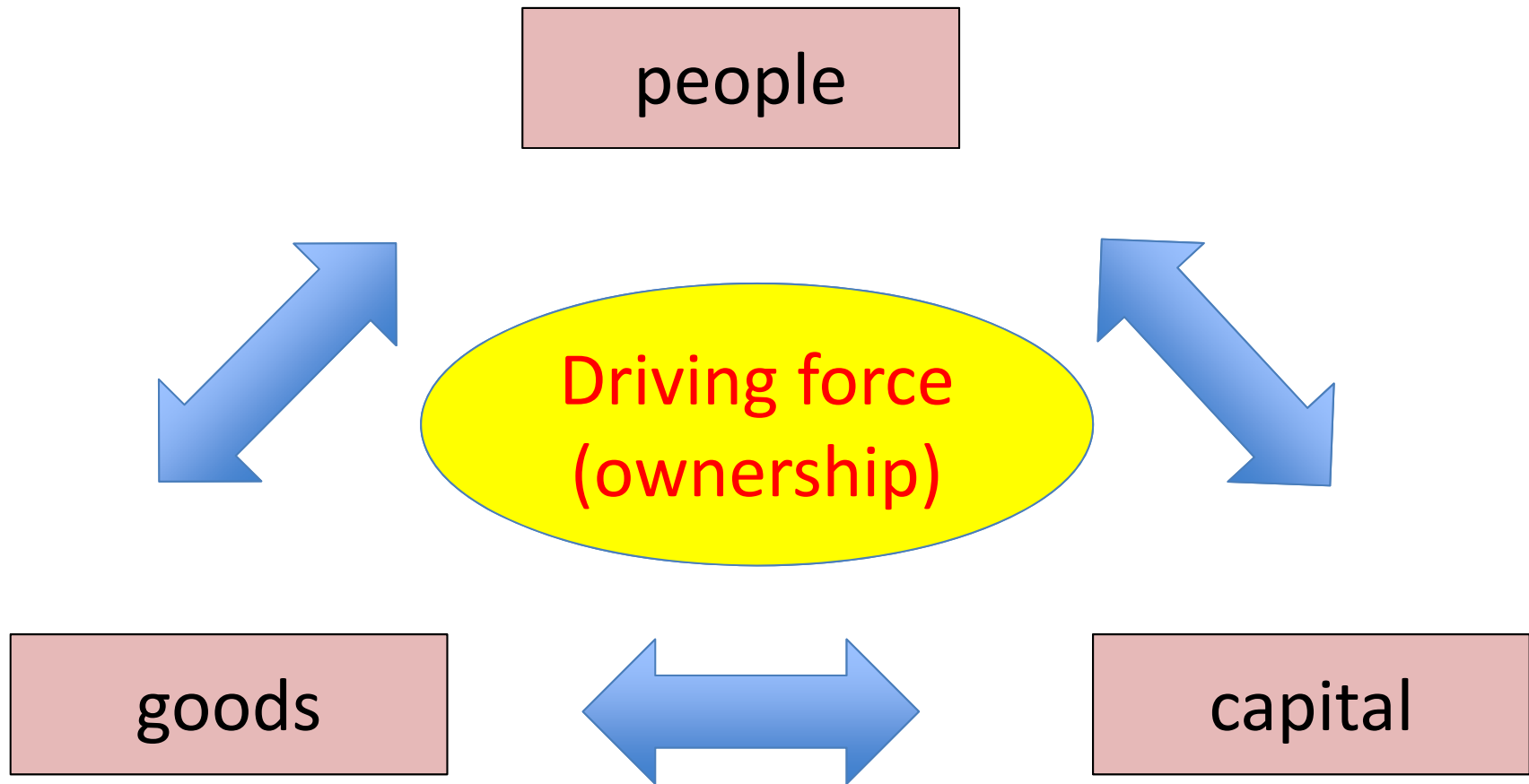HRD-ICT Programme for Exchange of ICT Researchers/Engineers Projects
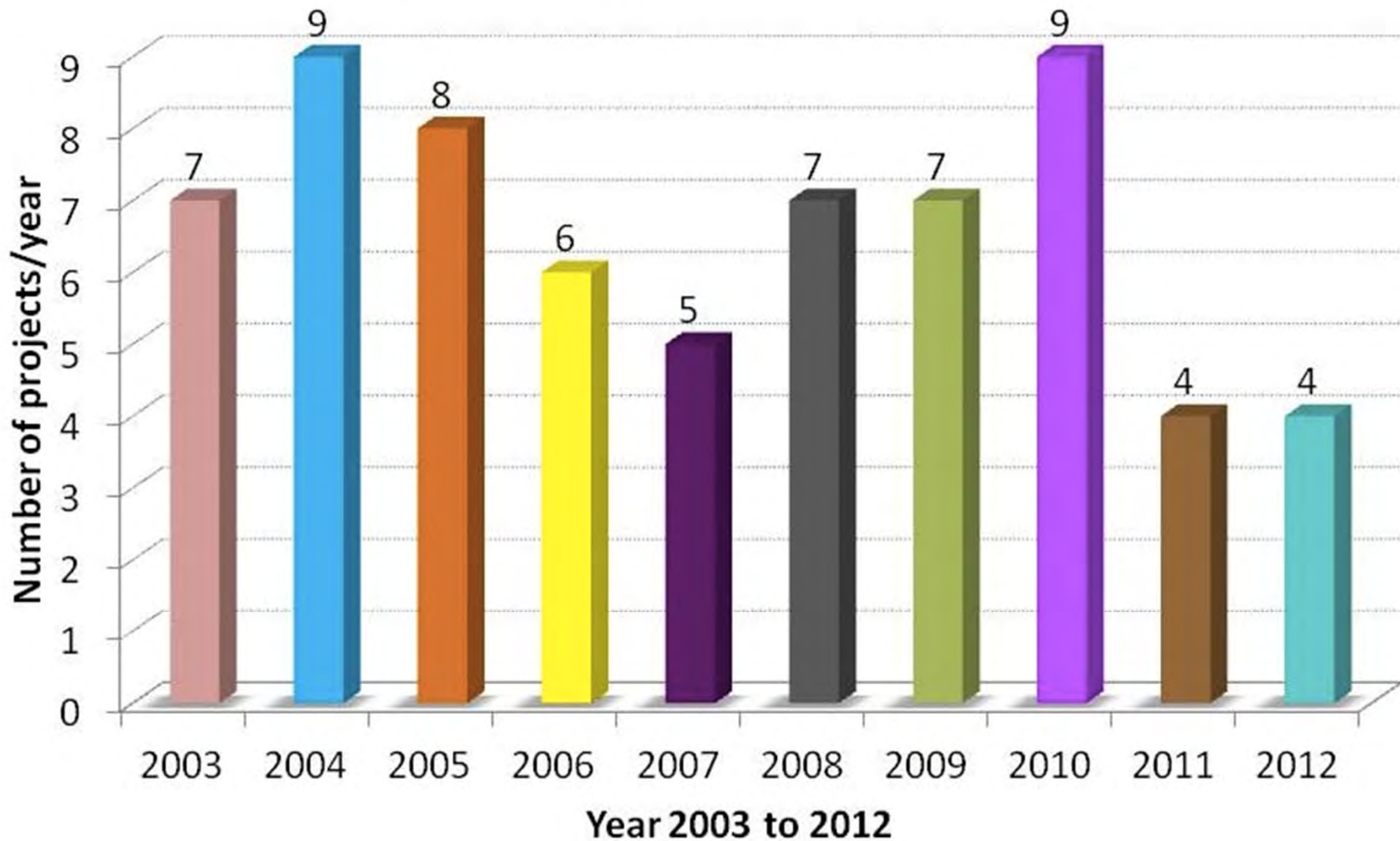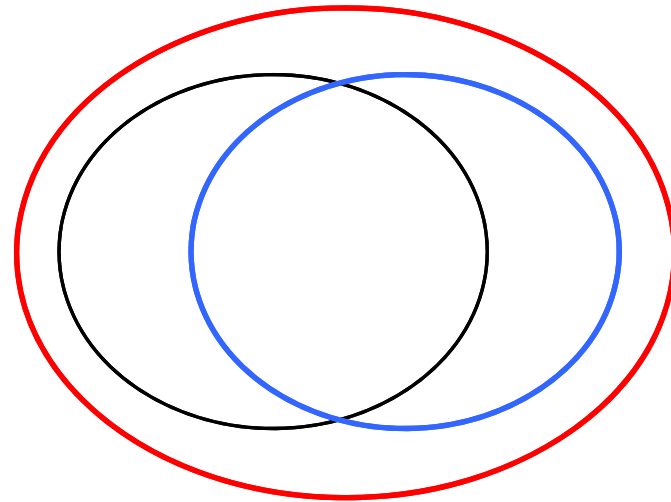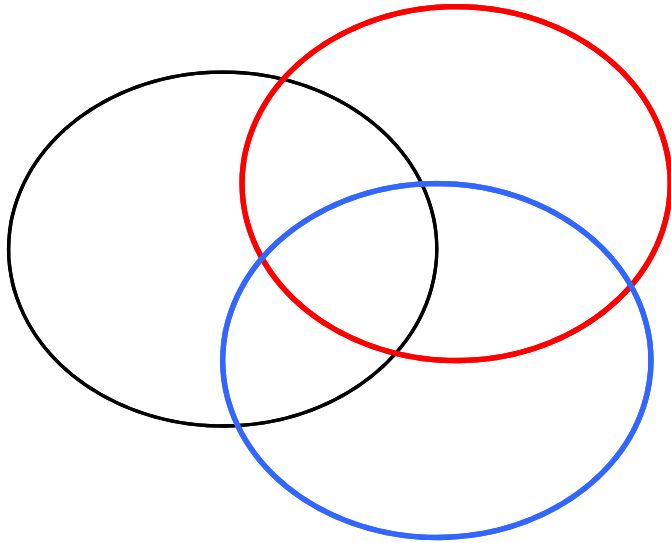
Principle of the APT project

<Sustainability>

- "Pertaining to a system that maintains its own viability by using techniques that allow for continual reuse."

- "Able to be maintained or kept going, as a action or process"
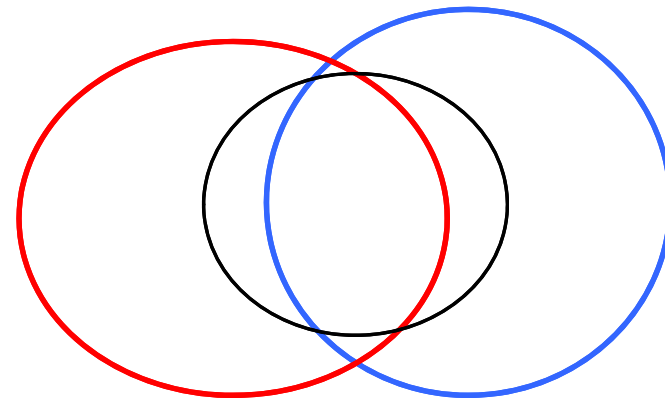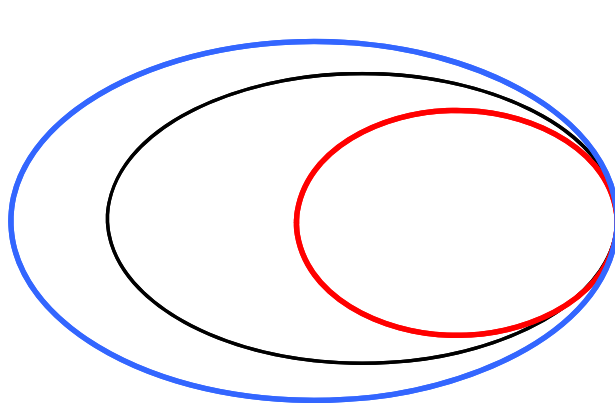
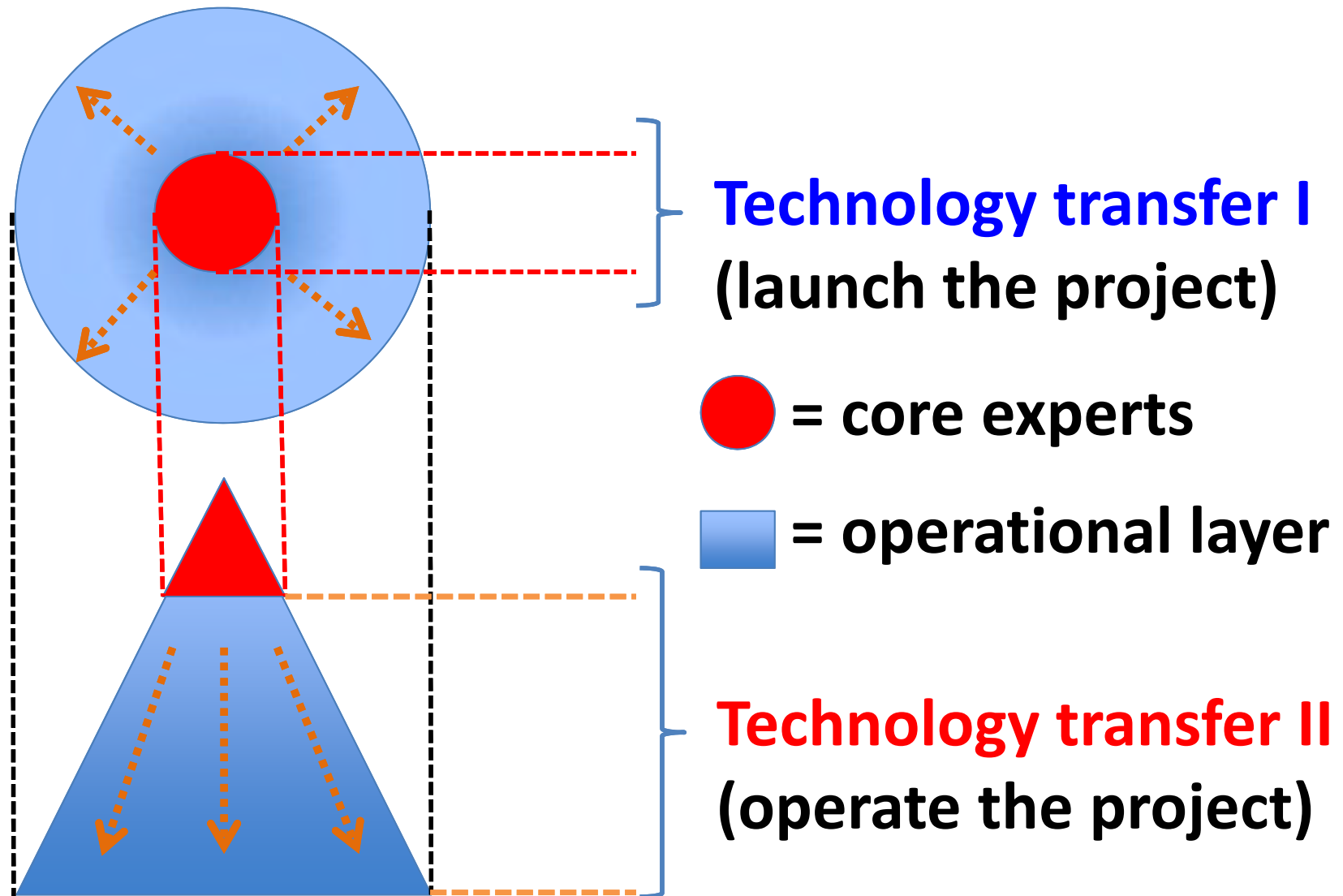≠ subsidy

Project = ƒ(people, goods, capital)

people

Driving force
(ownership)

goods

capital

"special consideration"

-> What is the (relatively) scarce resource?

people   goods   capital

People (human capacity)

Technology transfer I
(launch the project)

= core experts

= operational layer

Technology transfer II
(operate the project)
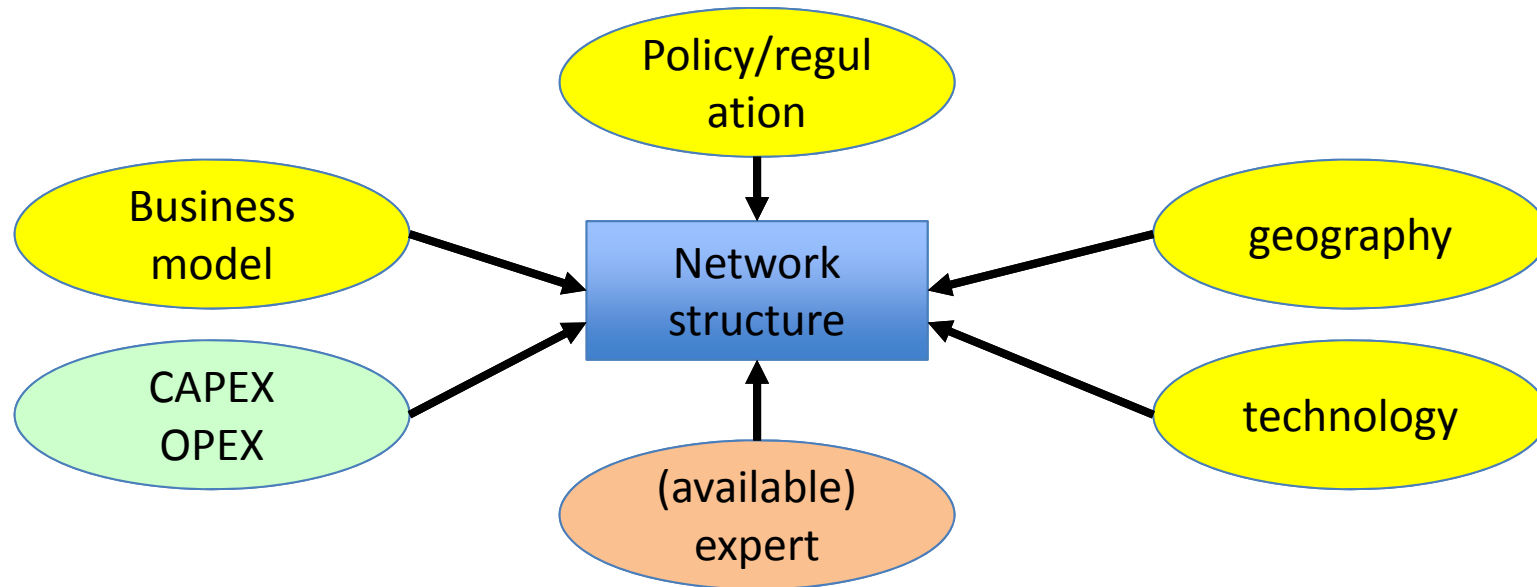
Capital (finance)
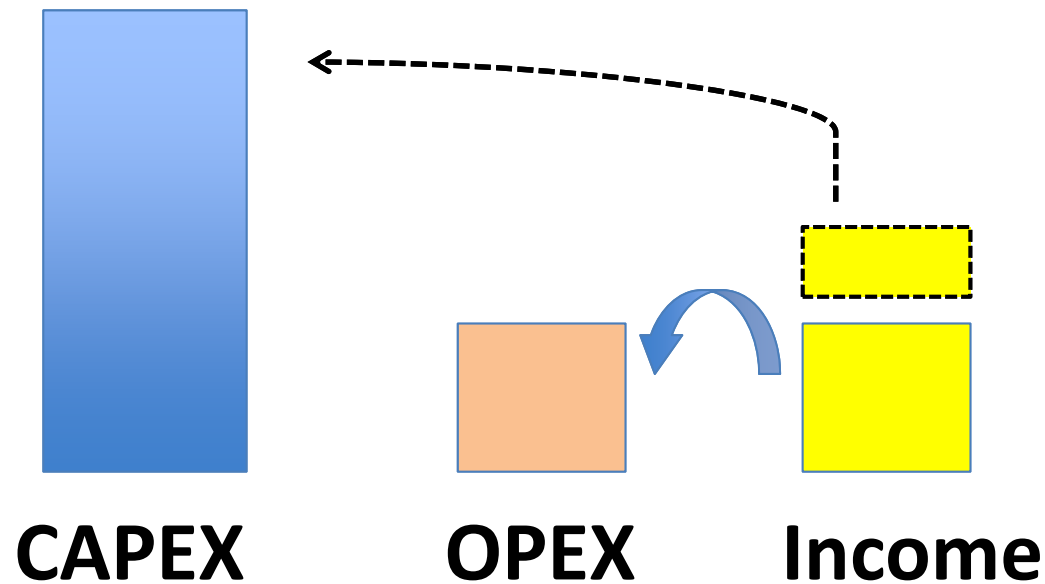
CAPEX   **OPEX**   **Income**

Business model <- conditions of CAPEX, OPEX, Income

(e.g.) USO, income generation activity (user fees, business activity etc.)

Goods (e.g. infrastructure)

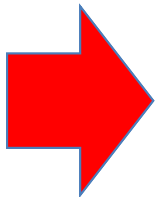Network structure = h(geography, technology, experts, CAPEX, OPEX, business model, policy/regulation)

Formula for Maximizing the Benefit
= f(people, network structure, capital)

Subject to

g(people, network structure, capital)
=sustainability

Necessary and sufficient condition for implementing a project

[condition I: necessary condition]
Special consideration
-> identify (relatively) scarce resource
-> tailored blueprint

[condition II: sufficient condition]
Sustainability (common principle)
(in terms of) people, goods, capital

[condition III: hidden condition]
"driving force (ownership)" (like start-ups)

3. Example

Thank you