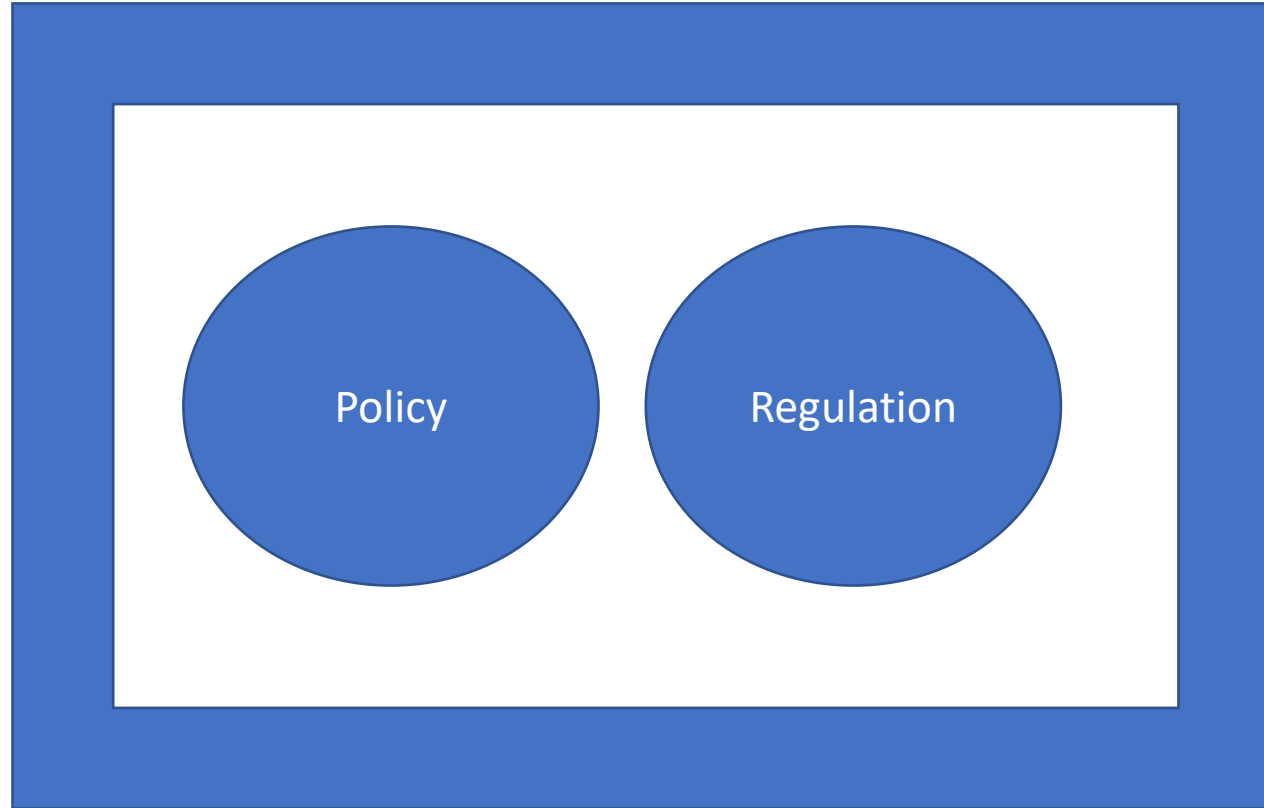




Policy & regulation ecosystem of Grassroots Innovation in AMS & India community

**Prof A K Das
India**

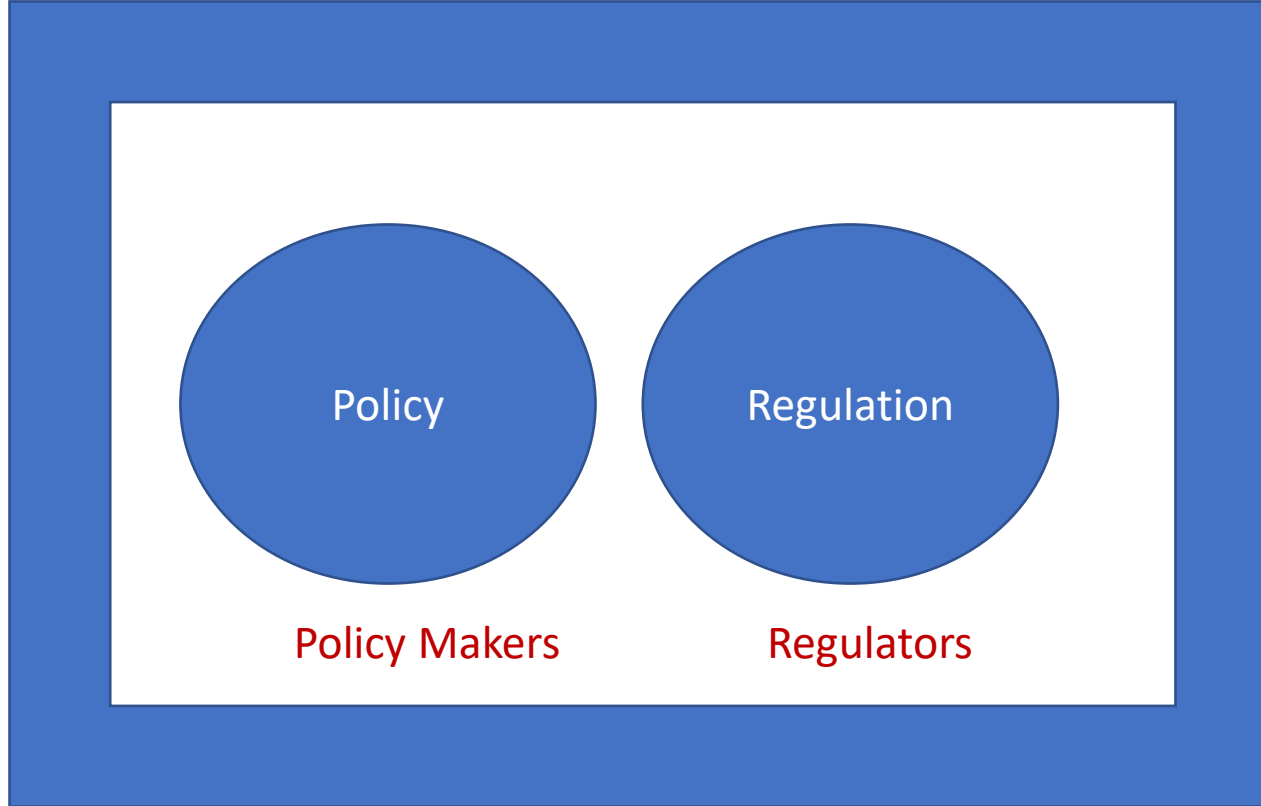
Policy & regulation ecosystem of Grassroots Innovation in AMS & India community



Grassroots Innovation Eco-system



Draft policies



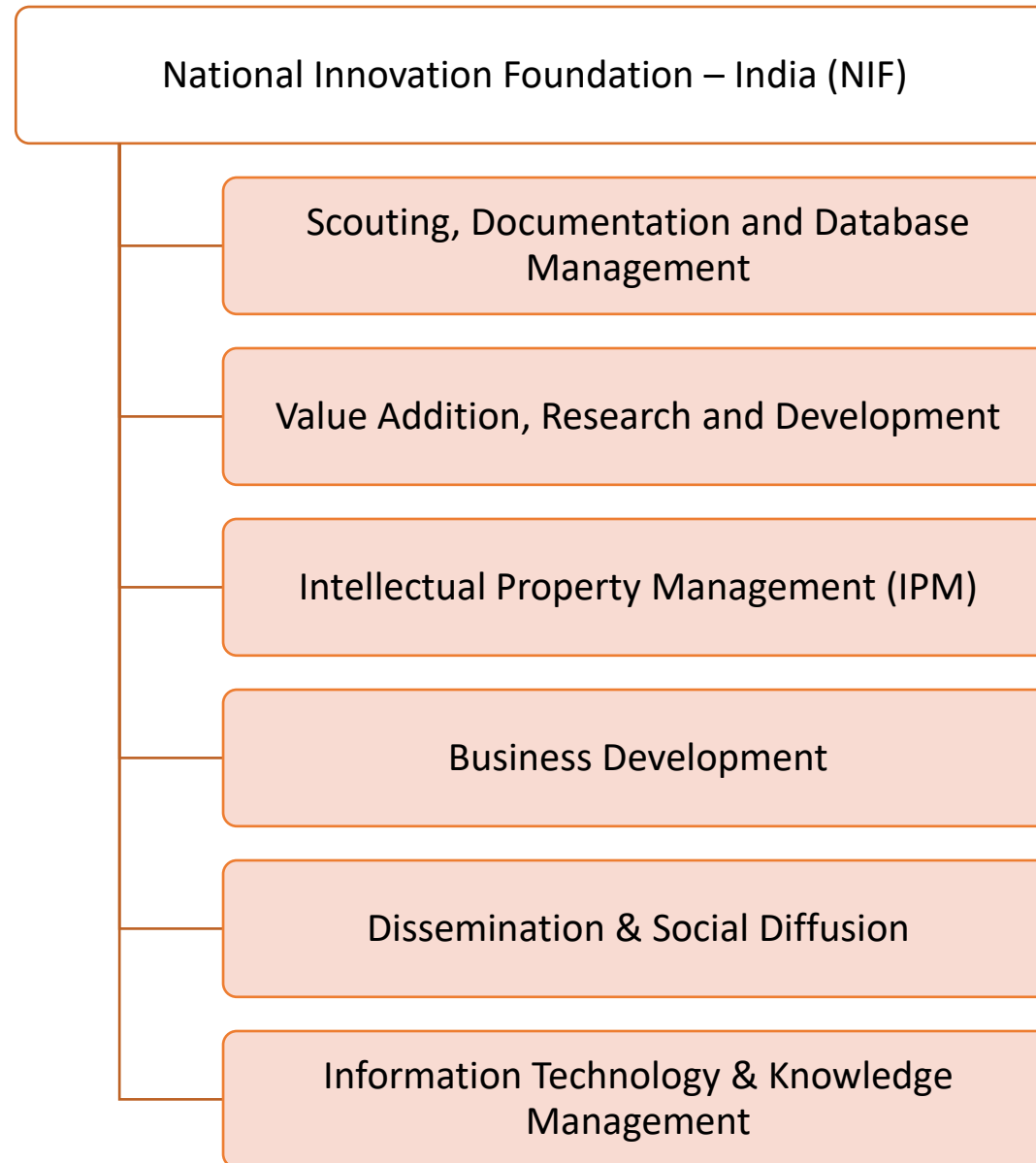
Grassroots Innovation Eco-system



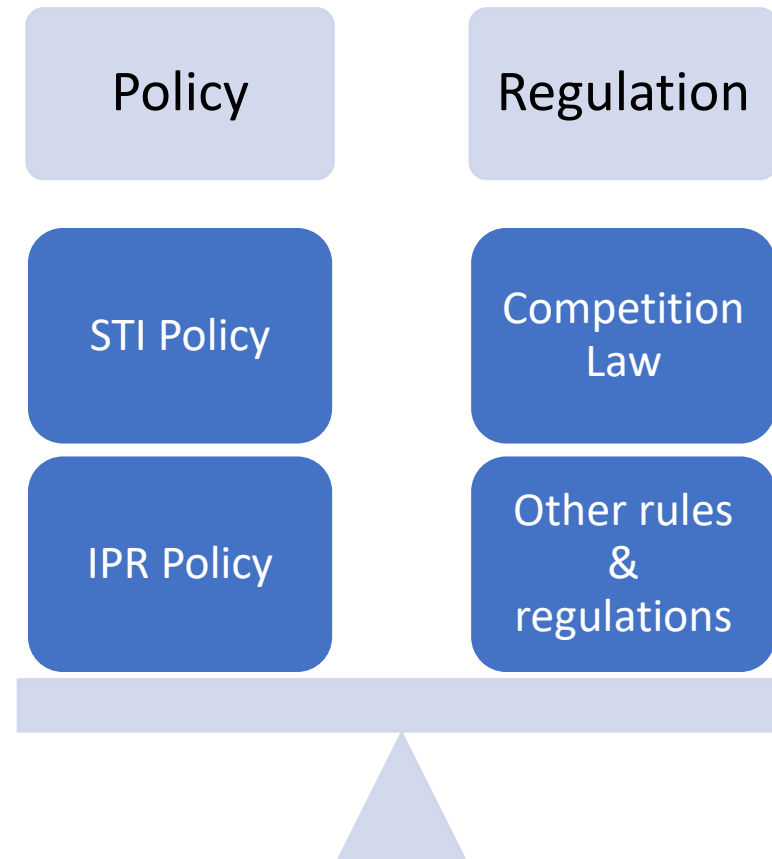
Draft regulations

Not a policing approach but they rather facilitate

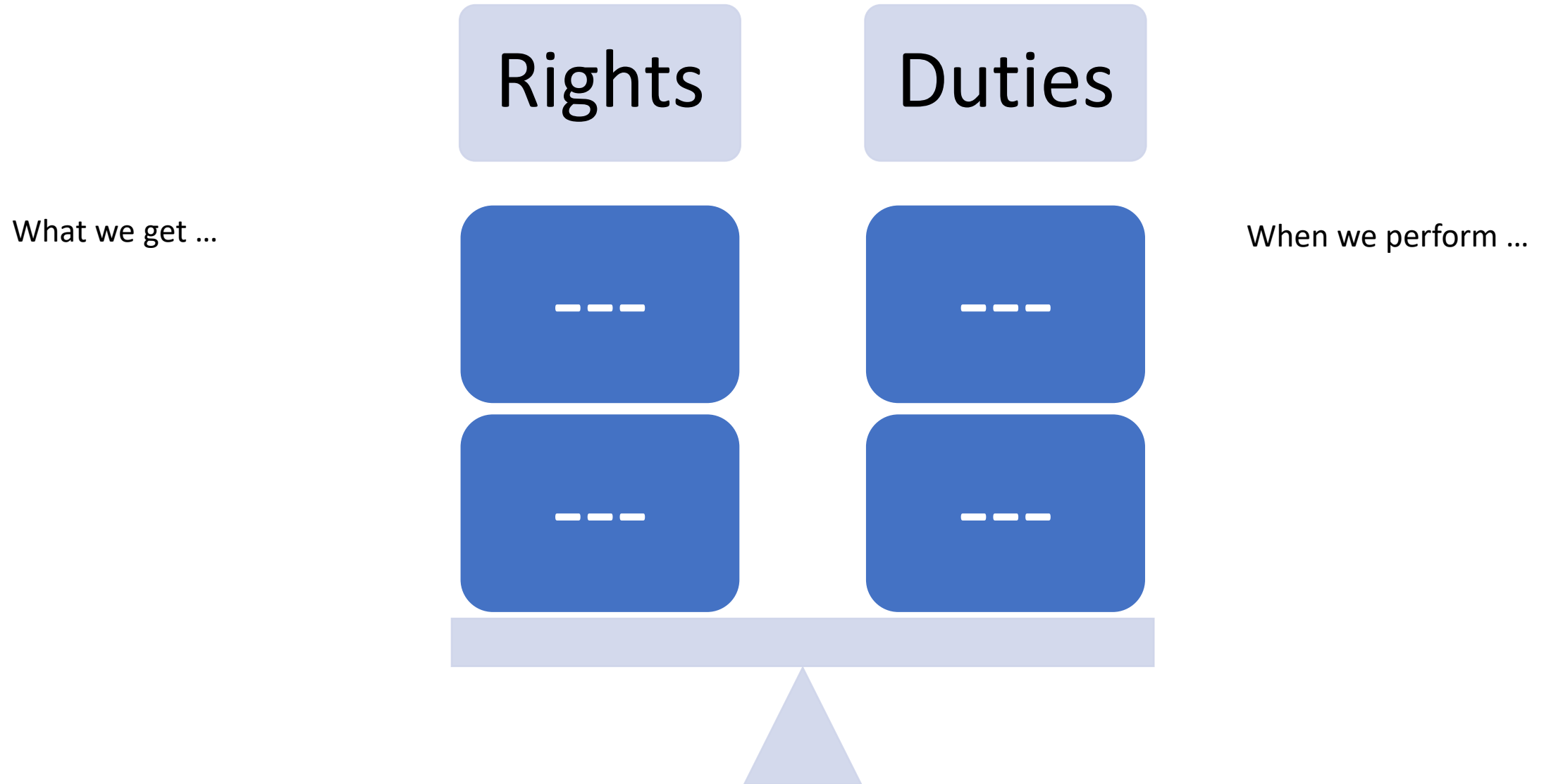
Institutionizing the process of incubation support from NIF – India : An instance of a good policy



Balancing : Policy vis-à-vis regulatory environment



Understanding the relationship b/w Policy and Regulation through an Analogy



Instances of regulations

Policy

We have a
patent !

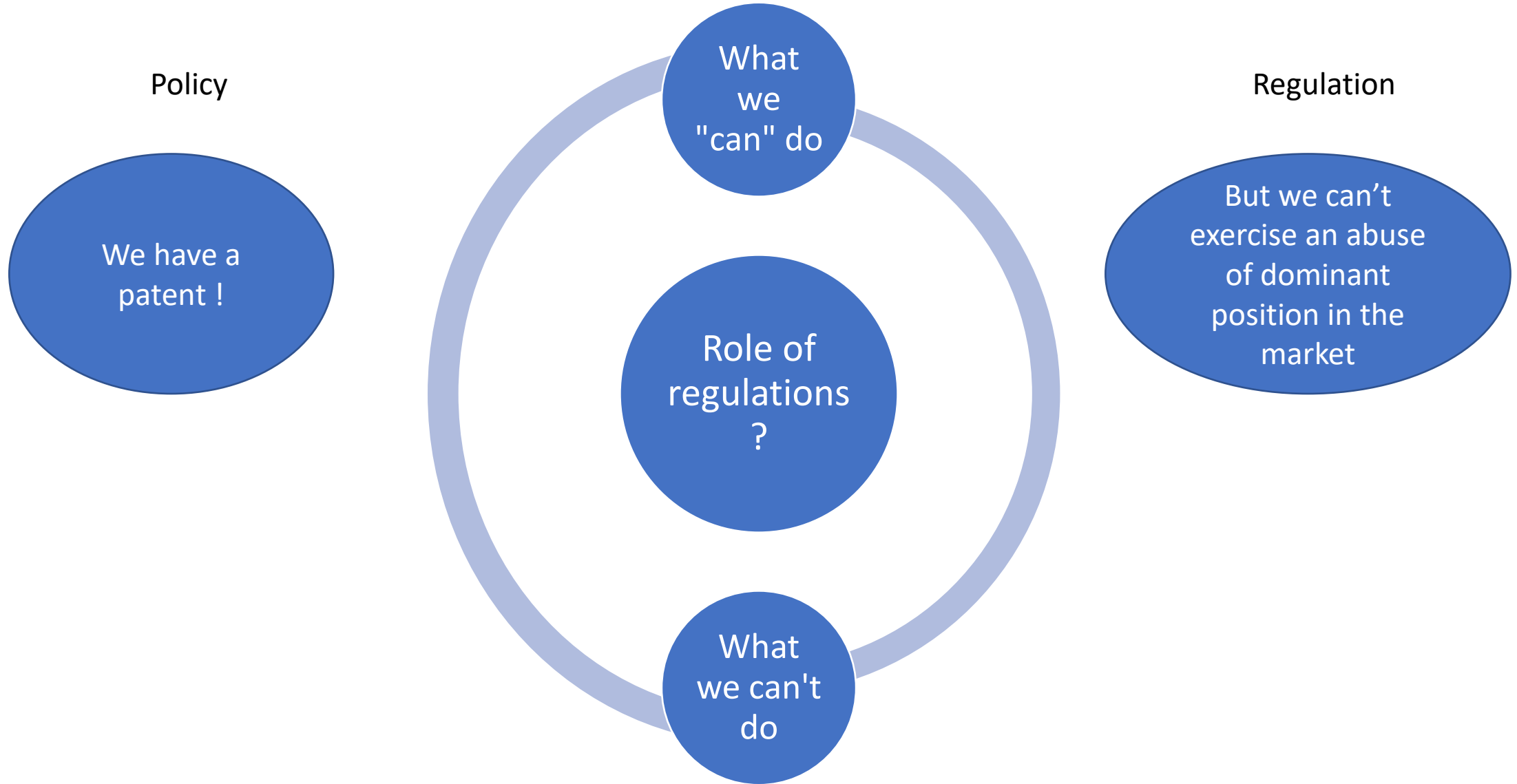
Regulation

But we can't
exercise an abuse
of dominant
position in the
market

What
we
"can" do

Role of
regulations
?

What
we can't
do



Let's reimagine the role of regulations & when they are complying, opportunities follow

The case of Bureau of Indian Standards (BIS) formulating First grassroots innovation-based standards

IS 17693: 2022 Non-electric Cooling Cabinet Made of Clay

Facilitation of trade and commerce

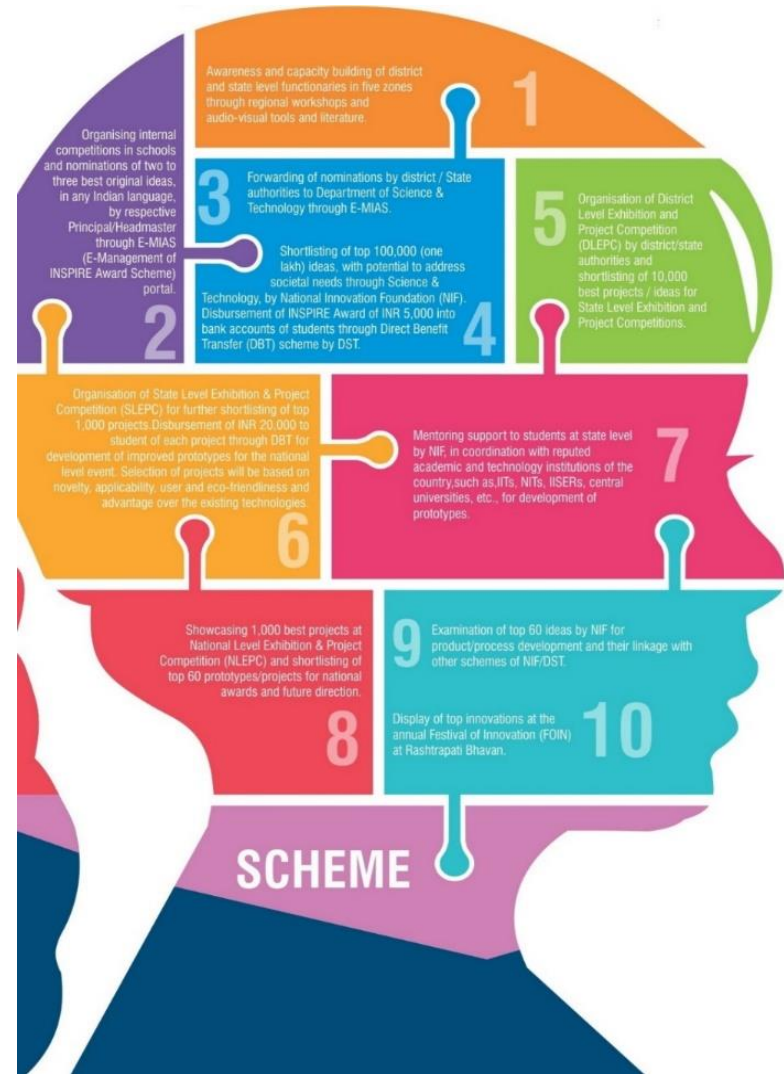
Improvement of processes and making them more efficient guidance in consistent functioning and quality

Simplifying comparison of products and services

Promoting further technological developments and so on

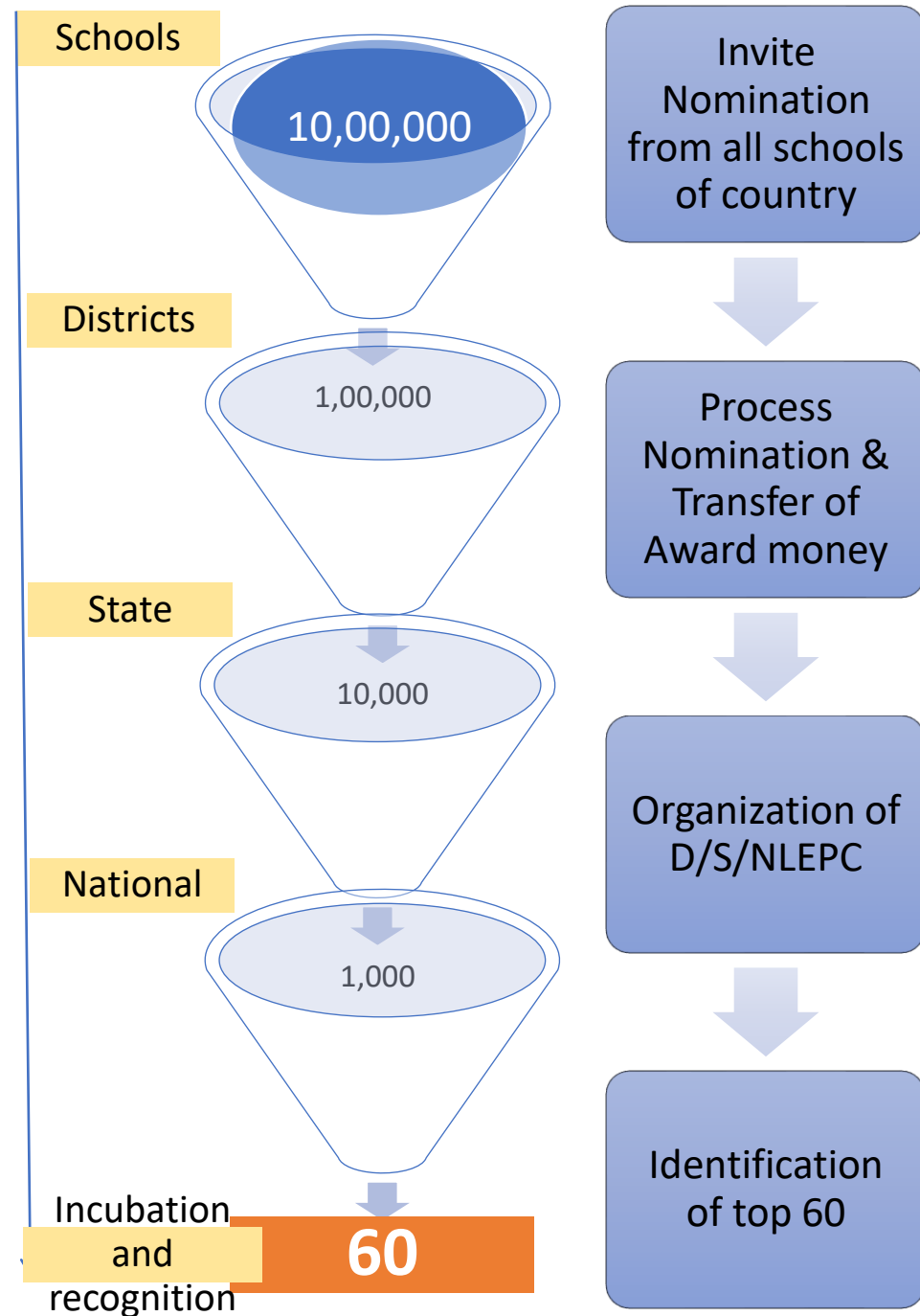
Success stories from India

Policy leading to scheme which achieves unprecedented success year on year



inspire awards manak

million minds augmenting national aspiration and knowledge





NIF Gandhinagar



NIT Surathkal



NIT Kozhikode

NIT Manipur



SCERT Goa

Mentoring



IIT Bhilai



IIT Delhi



Vigyan Bhawan, Gangtok



CSIR-Central Scientific Instrumentations Organisation (CSIR-CSIO), Chandigarh

Mentoring



Maulana Azad National Institute of Technology (MANIT) Bhopal



SCERT Tripura, Agartala



CSIR-IIP Dehradun



IIT Guwahati

IIT Hyderabad

Mentoring



IIT Mandi



IIT Jammu



SCERT Itanagar



MZU incubation
centre, Mizoram
University, Aizawl

Mentoring



University of Kashmir, Srinagar



BITS Mesra, Ranchi



IIT Madras

Mentoring

Outcome



Innovation: Manual waste lifting and dumping cart, based on Idea of Master Sikanto Mandal who was conferred with INSPIRE Awards – MANAK. Later Technology was transferred to a start-up enterprise - Sarjan Innovations Private Limited, Gujarat (Start up India Certificate # DIPP7141)

About NIF

Vision

To make India innovative and adding value to India's outstanding traditional knowledge base

Mission

To help India become inventive and creative, and to become a global leader in sustainable technologies without social and economic handicaps affecting the evolution and diffusion of green grassroots innovations

Areas of Focus

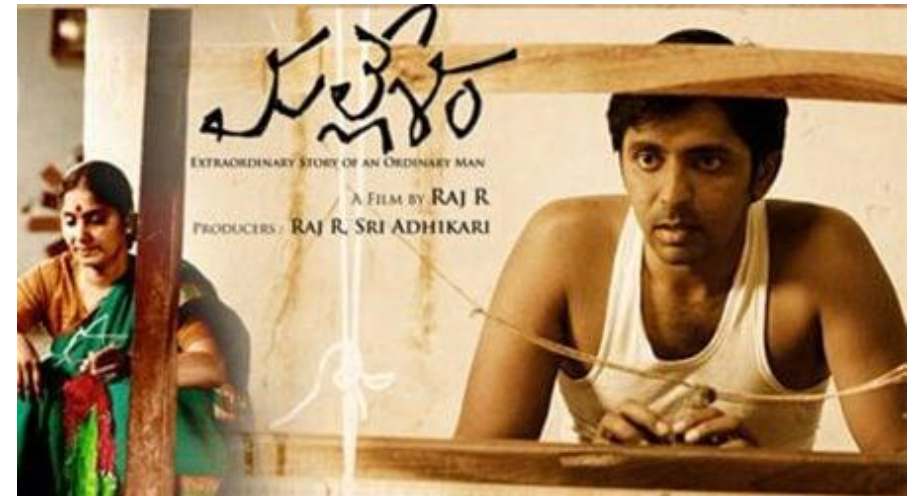
NIF provides an *end-to-end* Incubation support to Science and Technology based Grassroots Innovations, Outstanding Traditional Knowledge and Children creativity innovations which encompasses the entire value chain i.e., scouting, value addition, validation, verification, Intellectual Property Rights (IPR) protection until social and commercial dissemination also including IT and Knowledge Management



Innovations supported by NIF ahead of times that inspired the nation & films



Mr Arunachalam Muruganantham – Sanitary Napkin Making Machine



Mr C H Malleshham – Laxmi Asu Making Machine

Exhibition at Parliament of India



Biennial National Grassroots Innovation and Outstanding Traditional Knowledge Awards



The annual Festival of Innovation and Entrepreneurship (FINE)



Food processing technologies

Example: *Multi-purpose Food Processing Machine*



Eco friendly toys



A vast portfolio of Agriculture Technologies

Example: *Tractor mounted PTO powered tillage equipment*



Thank you !

dasak@iitg.ac.in