

Unnat Maharashtra Abhiyan ¹

*Aligning Higher Education with the Development Agenda
New Knowledge, New Professions, New Jobs²*



¹Extends Unnat Bharat Abhiyan

²Prepared by Milind Sohoni, CTARA, IIT Bombay

The Key Questions

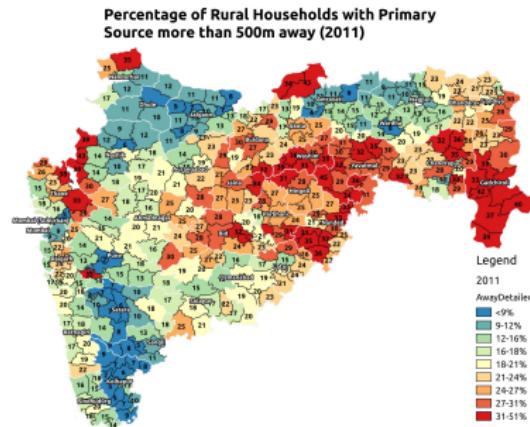
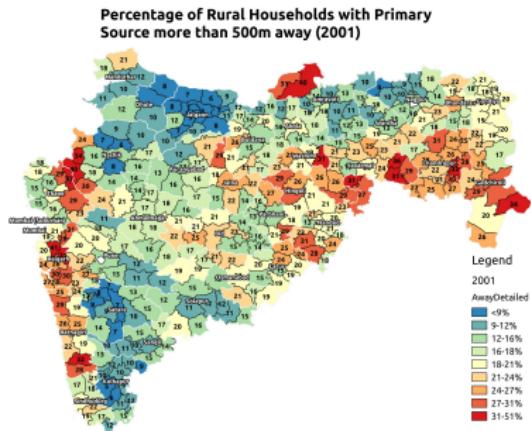
- Where will jobs come from?
- How will we fix basic services?
- Who will strengthen small enterprises?

Solution The New University

- A regional resource for people to analyse their problems
- A site for regional research and new professions.
- New curricula, new research and new engagements.



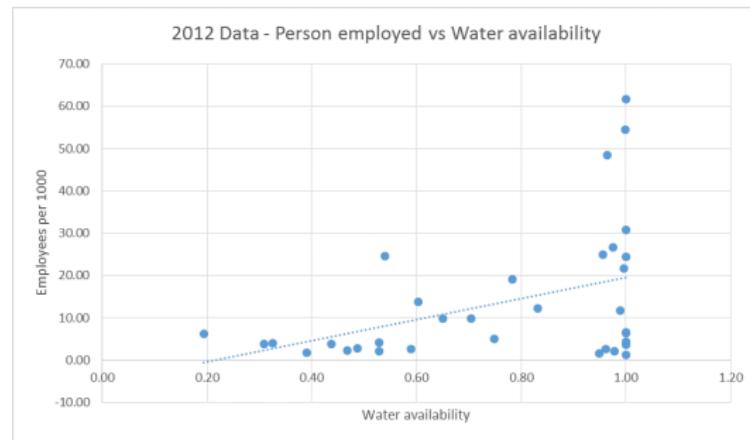
The development challenge



Other Metrics as well

- Year-round access to DW-**74%**.
- droughts, chulhas, public transport, small manufacturing etc.
- **missing** : institutions, community and private sector-***knowledge***

District-wise Urban water Availability and Jobs



Better Amenities \Rightarrow More jobs

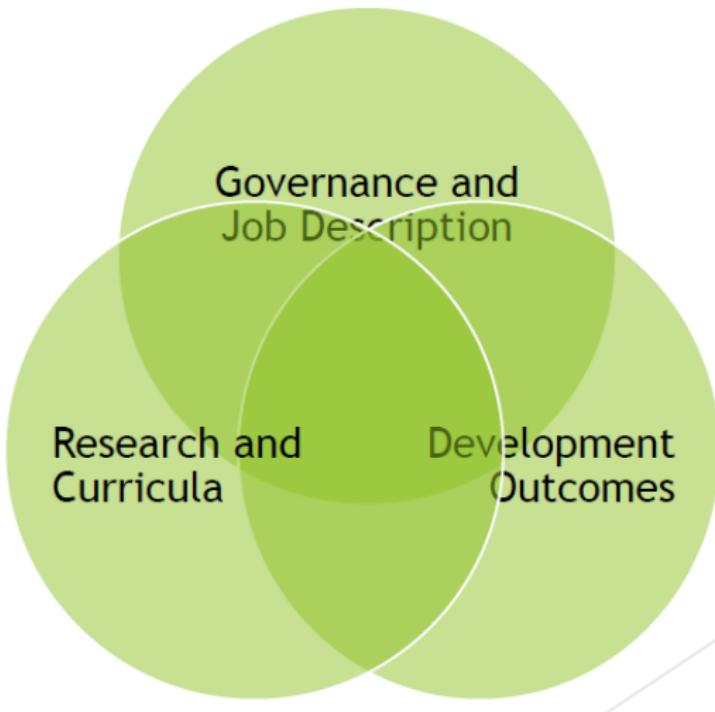
New Knowledge, New Professions \Rightarrow Better Amenities

Conclusion: New jobs will begin in the development sectors!

New and hard applied research. Student and faculty Interest.

New Mechanisms. Understanding how is value created!

What does GoM Expect from UMA



The basic argument



Can Universities help?

A unique and welcome GR(15/6/2015) from Water Supply Dept.

- Every new PWS must undergo 3rd-party assessments.
- Every CEO-ZP to identify college to perform these assessment.
1% of capital costs to be paid.
- Selected college must form an inter-disciplinary cell, prepare success criteria, advise on good practices!

District	Palghar	Thane
Number of schemes	19	12
Sanctioned amount	Rs. 28.2 Cr.	Rs. 6.4 Cr.
Major Issues (Design)	7/19	9/12

Learnings

- Bad practices and issues identified. New research generated.
- Rs. 34 lakhs to colleges but...Positive returns already for GoM.

The Unnat Maharashtra Abhiyan (13/01/2016)

Objectives

- Align teaching and research in engineering with state's development agenda. **Understand value and outcomes.**
- Mechanism for **select** regional colleges to access funds and data.
- Support the **Right To Know** for communities.

Features

- **Project Areas.** Water, Sanitation, Electricity and Energy, Public transport, rural and household enterprises.
- **Programs.** e.g., Jalyukta Shivar, Thakkar Bappa.
- **At the college.** Technology and Development Cell.
- **Nodal Agency.** District Collector, DPC and District Innovation and departmental M&E funds.
- **Mentored by CTARA at IIT Bombay**

More GRs

- Planning, 7th April, 2016. Source of funds.
- HTE, 15th June, 2016. Topics and guidelines.
- planning, 20th July 2016. Images from MRSAC for govt. projects.
- Planning, 22nd July 2016. IIT Bombay as 3rd party *overall* evaluation of programs and projects.

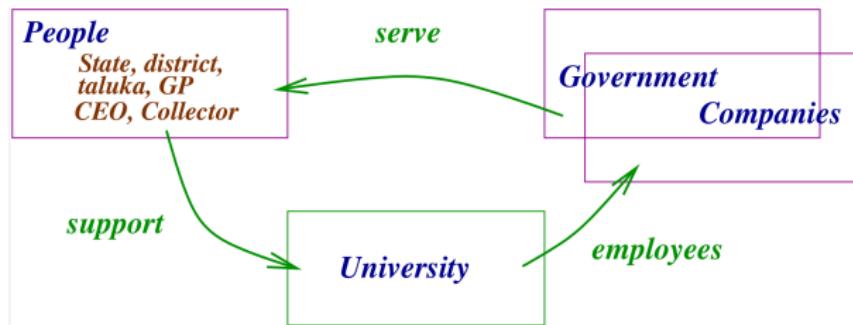
The Future

- Planning. DPO as nodal office for UMA. Periodic clarity on funds.
- GAD/Planning. Support for UMA in 3rd party assessments.
- UMA as a network of trusted institutions

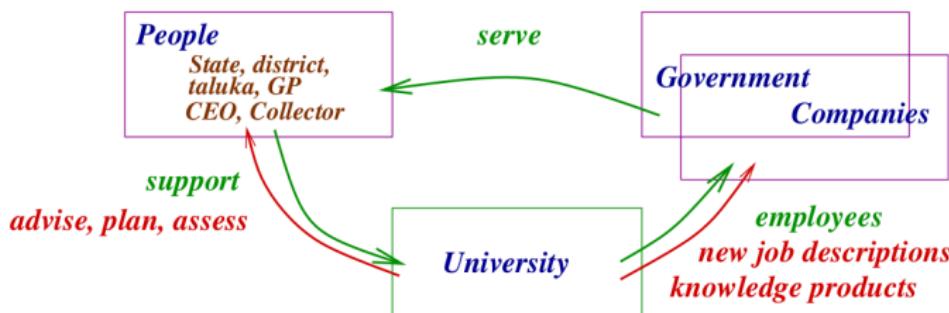
Needed

Reform. Field-work, social context, inter-disciplinary, curriculum and R&D reform. **Trust**.

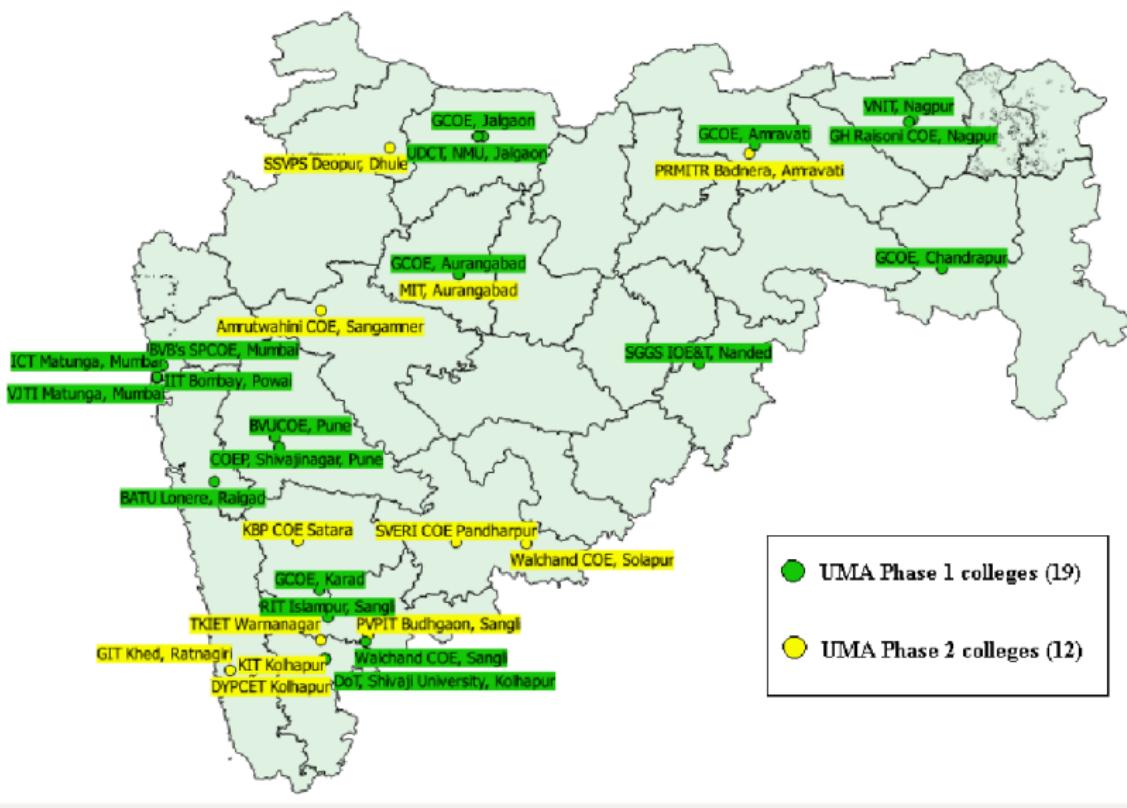
The Big Picture - What used to be



What we now need...



UMA Institutions



UMA work in pictures



Plastic road (KBP Satara) Cleaning of Krishna River (BVP Pune) Irrigation at Sinnar (CTARA, IIT-B)



Solar Dryers (SSVPS Dhule)

Camlin Pencil Sorter (PVPIT Budhgaon)

UMA Colleges at work



Thank You

