1. E-Science Trends: India

1. E-Science is still an **emerging** and nascent area within the Indian sub-continent

2. The use of E-Science has been very limited, and primarily **confined to elite higher level institutions.**
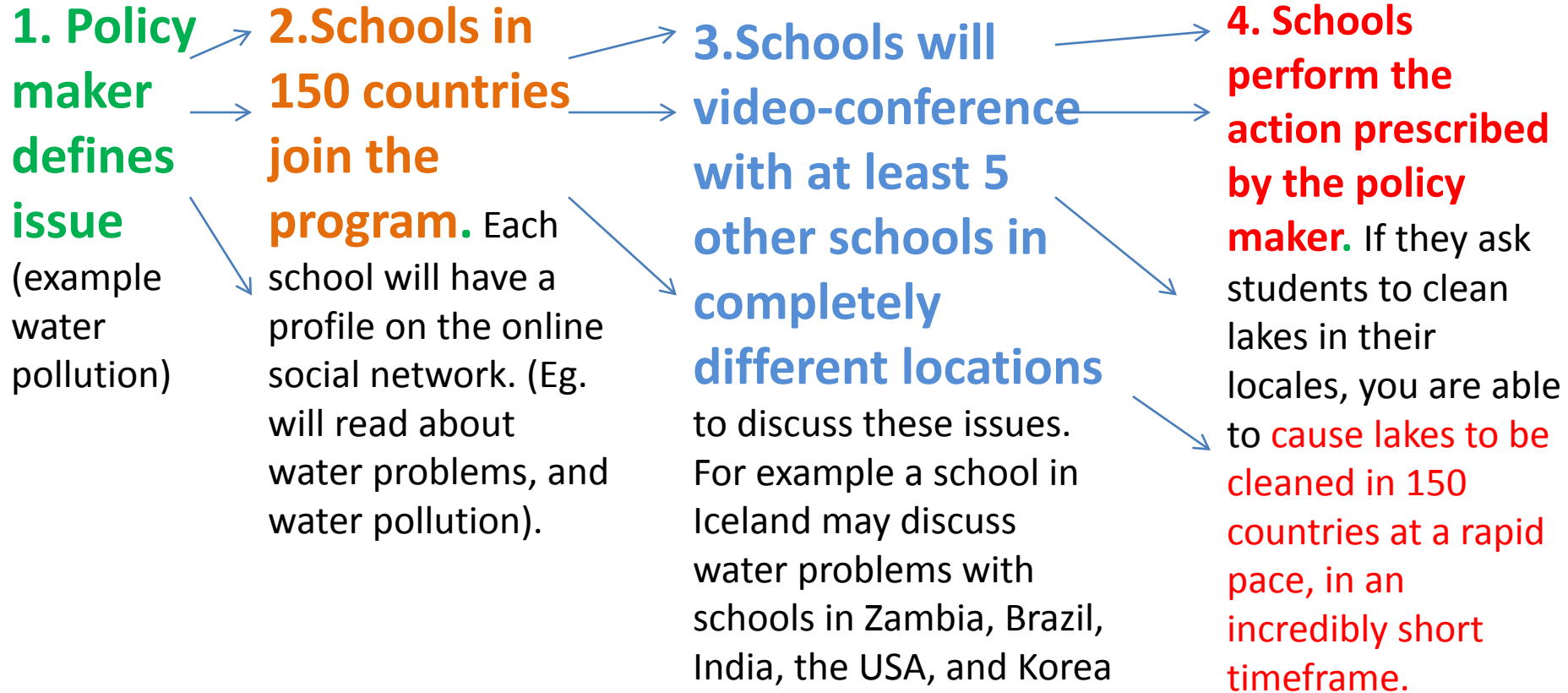
3. We are starting to see **a few instances of citizens using E-science**

The true potential of e-science has not been explored in India.

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2. Building a Social Network— verdentum GCI

1. Connect students to policy makers. Allows students from around the world to participate in programs created by world leaders, scientists, and institutions to address key global issues, such as global warming, use of natural resources, human rights, etc.

2. Unify students around the world for Cross Cultural Problem Solving & Communication Requires students, as part of each program to video-conference with at least 5 schools in different parts of the world about the program and the issue being addressed.

3. Solve Global Issues: Requires students as a part of the program to perform an action that helps solve the problem discussed.

4. How The Verdentum GCI Works:

1. Policy maker defines issue (example water pollution)

2.Schools in 150 countries join the program. Each school will have a profile on the online social network. (Eg. will read about water problems, and water pollution).

3.Schools will video-conference with at least 5 other schools in completely different locations to discuss these issues. For example a school in Iceland may discuss water problems with schools in Zambia, Brazil, India, the USA, and Korea

4. Schools perform the action prescribed by the policy maker. If they ask students to clean lakes in their locales, you are able to cause lakes to be cleaned in 150 countries at a rapid pace, in an incredibly short timeframe.

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Has it been Tested? Can it really work:

YES.

Students at Oakridge speak to students in Tripura. As this was one of our first sessions, Verdentum representatives from the GCII team were present at both locations.

An Example: How Water Pollution Around the World Can Be Addressed Through The Verdentum GCI:

1. Policy maker defines water pollution as the issue and develop a program which includes info. On what should be discussed and what action is to be taken.

2. Schools in up to 150 countries join the program on water pollution. They will read up on the issue and prepare for video-conference sessions

3. They video-conference with randomly allocated schools in other regions of the world discussion water pollution, how it differs in their respective locales, how they are working to solve those issues etc.

4. They act on those issues, if the policy maker decides that a water-body clean up should be the action item, then students in 150 nations could clean up water bodies in their locality.

Verdentum has a partnership with **Princeton University's Innovations for Successful Societies**—A Part of the Woodrow Wilson School. They help define issues, and add an expert angle.

A Glimpse Into the Sessions: The Class in Tripura Looks on as their Global Communication Club Participates in A Session With Students From Hyderabad

As the school was located in Tripura, an external internet device was used.

3. Why Involving Youth (high-school students) is Critical to Solving Global Problems:

-They want to be involved in their future, and are ready to take on more responsibility

-There is an excellent structure for supervision, already in place: teachers can supervise work and participate in facilitating video-conferencing

-Students need to be exposed to global issues prior to joining university. In cases where students cannot attend university, this gives them a chance to interact and grow.

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ANHS GCC at Rato Bangala Meeting

Satyadeep Dong Moises Hannah
Joon Kyle Peyton Summer
Alex →

Patrick Briana Tula Katherine
Mackenzie

The Verdentum Global Communication Club at Aliso Niguel High School, in California. They have had sessions with Rato Bnagla School in Nepal, and will be continuing to work on these issues.

The Vision:

Take the social-network online, enabling wide-scale global participation.

Once the network is online, tens of thousands of schools around the world will have the potential to participate in the GCI

We can create a truly global impact, and make a significant change to the way youth communicate

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Imagine the Possibilities

Through the Verdentum GCI, we CAN build a better tomorrow with a new generation that is truly ready to face global problems.

for example: you could run a women's **rights campaign in 150 countries** within just a few days.
 You could have a **tree-planting campaign around the world, within a week.**
 You could spread **awareness about AIDS or any health issues within days.**

Connect students that would have never had the opportunity to experience cross-cultural interaction. Connect students in even some of the most remote locations, globally.

Build Truly Global Awareness About Millennium Goals, and work towards meeting them.

A Perfect Compliment to the UN's Web-based Platform:

The Vedentum GCI platform would almost be like facebook, but for a social cause, where each school will have a profile, join programs and bring social change in a united and global way.

The platform can help students learn more about and use the web-based platform. Verdentum can be a perfect angle to bring in active youth participation.

Address Issues such as:

-global warming

-human rights/women's rights

-conservation of natural resources

-health related issues

-hunger

-poverty

About verdentum

- Verdentum was founded in 2011 by Rohit Pothukuchi
- a basic outreach to 7 countries, and a core team of 60 members

- a partnership with Princeton University's Innovations for Successful Societies. Verdentum works with MIT's Teaching & Learning Lab. Verdentum is a member of the UN Academic Impact

- Advisors include: **Dr. Lori Breslow** (director, MIT T&L Lab, **Mr. Philip Wood QC (Hon.)** (former head of Banking at Allen & Overy), **Mr. Gurcharan Das** (prominent Indian author and former CEO Procter & Gamble India), **Dr. Jennifer Widner** (Prof. at Princeton)

Secretary-General's remarks to UNA-USA Model United Nations Conference New York, 13 May 2010

"Social networking is changing how we interact - and it can change our world. You are in touch with peers from around the world. You understand the power of instant communication. I appeal to you to use that power for the common good, the power of communication and the power of networking."