



Leveraging Collaboration for Indian Science and Industry

Persistent Systems

Snehal Valame

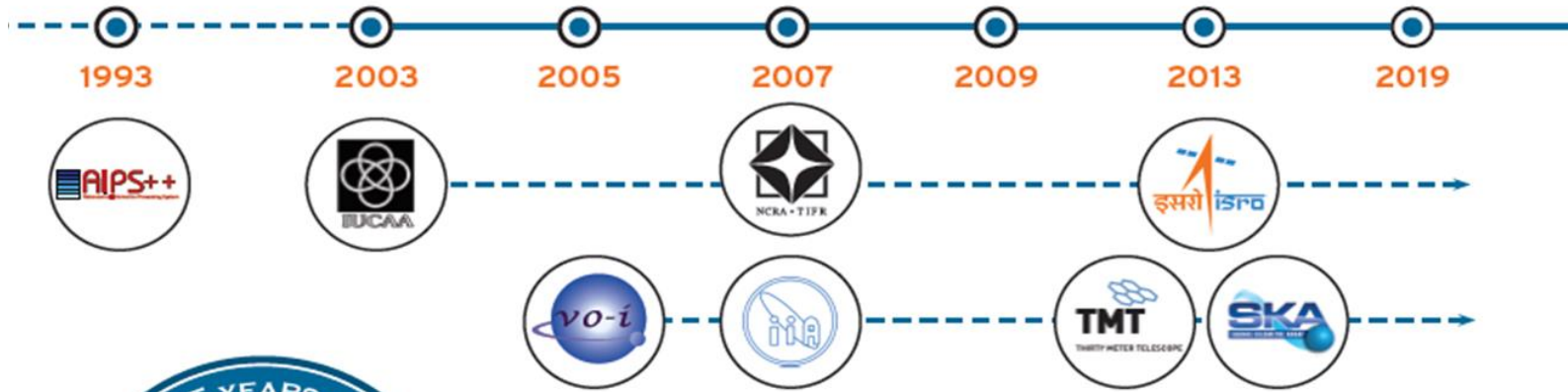
9th May 2019

Agenda



- Persistent System's Engagement in Astronomy domain & other research areas
- What benefits Persistent provides to Indian Science
- What Benefits Persistent gets from the collaboration with Science projects

Nearly 25 years of working with Astronomers!



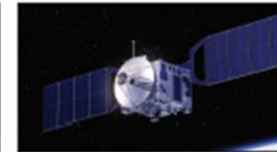
GMRT



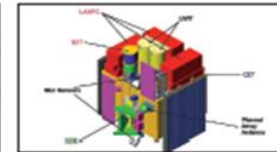
Himalayan
Chandra
Telescope



TIFR



Astrosat

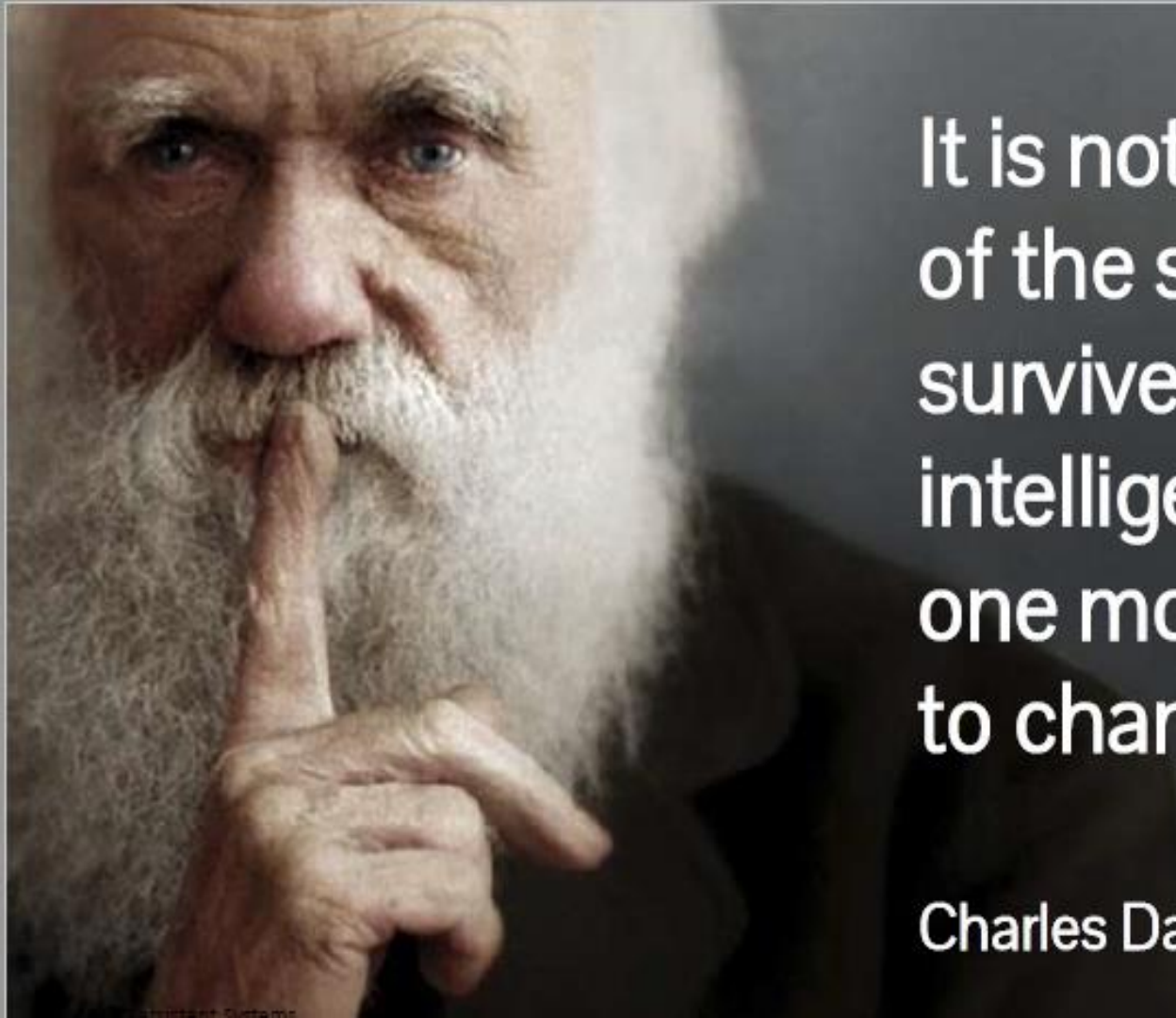


We have Collaborated with Universities and Scientists Across the Globe



What do we benefit from Science projects ?

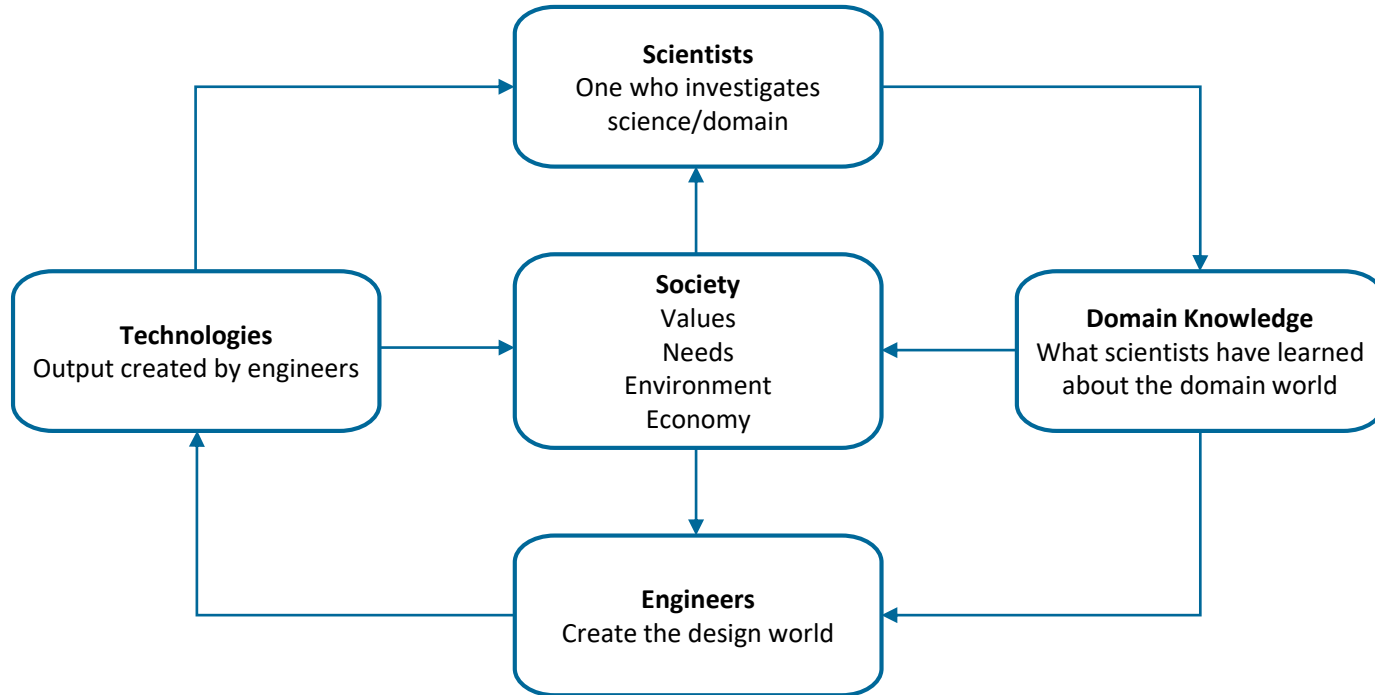
- We believe Science and Technology goes hand in hand
- The Scale of Data generated by Mega Science Projects like SKA is really BIG and We are eager to exploit this challenge !
- End to end Lifecycle covering areas like Signal processing , networking, Big data, Machine Learning, Software development and hardware, providing us exposure to explore relevant cutting edge technologies



It is not the strongest
of the species that
survives, nor the most
intelligent, but the
one most responsive
to change

Charles Darwin

Intersection of Science – Society – Technology



Industry Partners -> Science



- Industry standards and processes to manage large scale, complex and distributed projects . Eg: SKA follows SAFe Agile methodology
- Understanding of astronomy domain and solutions developed for it can be reused for other domains and vice-a-versa
- Design thinking approach followed to solve problems helps us to see things from end users point of view.
- Hackathons can shape your ideas and creativity to solve science problems in a short period of time

Hackathons



- Persistent Systems along with Ministry of HRD, All India Council for Technical Education (AICTE), and Inter Institutional Inclusive Innovation Center (i4C) proposed the **Smart India Hackathon (SIH)**, a unique initiative to identify new and disruptive digital technology innovations for solving the challenges faced by our country.
- Persistent Systems has conceptualized this prestigious initiative and has been its KNOWLEDGE PARTNER for last 3 editions of SIH.
- It has become a highly successful open innovation model for promoting out-of-the-box thinking in young minds, especially engineering students.

Innovation as a Culture...



At Persistent Systems, we harbor a vision to help turn India into a vibrant, self-sustaining, innovation-driven economy.



We are committed to build an ecosystem that supports and promotes disruptive technology innovation in India.



We foster creative solutions by providing a platform to mentor and to incubate promising ideas. Therefore, we organize pan-India competitions, exhibitions and seminars to scout for innovations.

Opportunities for Women in STEM , Leadership Role



- The applications of Machine learning, AI, Big data and IoT has opened across areas like astronomy, healthcare, travel, media and research numerous exciting avenues.
- Persistent provides an excellent platform for young girls to take up career in STEM and grow as leaders.



Thank You!