

Service Research & Innovation Institute SRII

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SRII
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New 21st Century Contexts

Service economy

Digital Economy

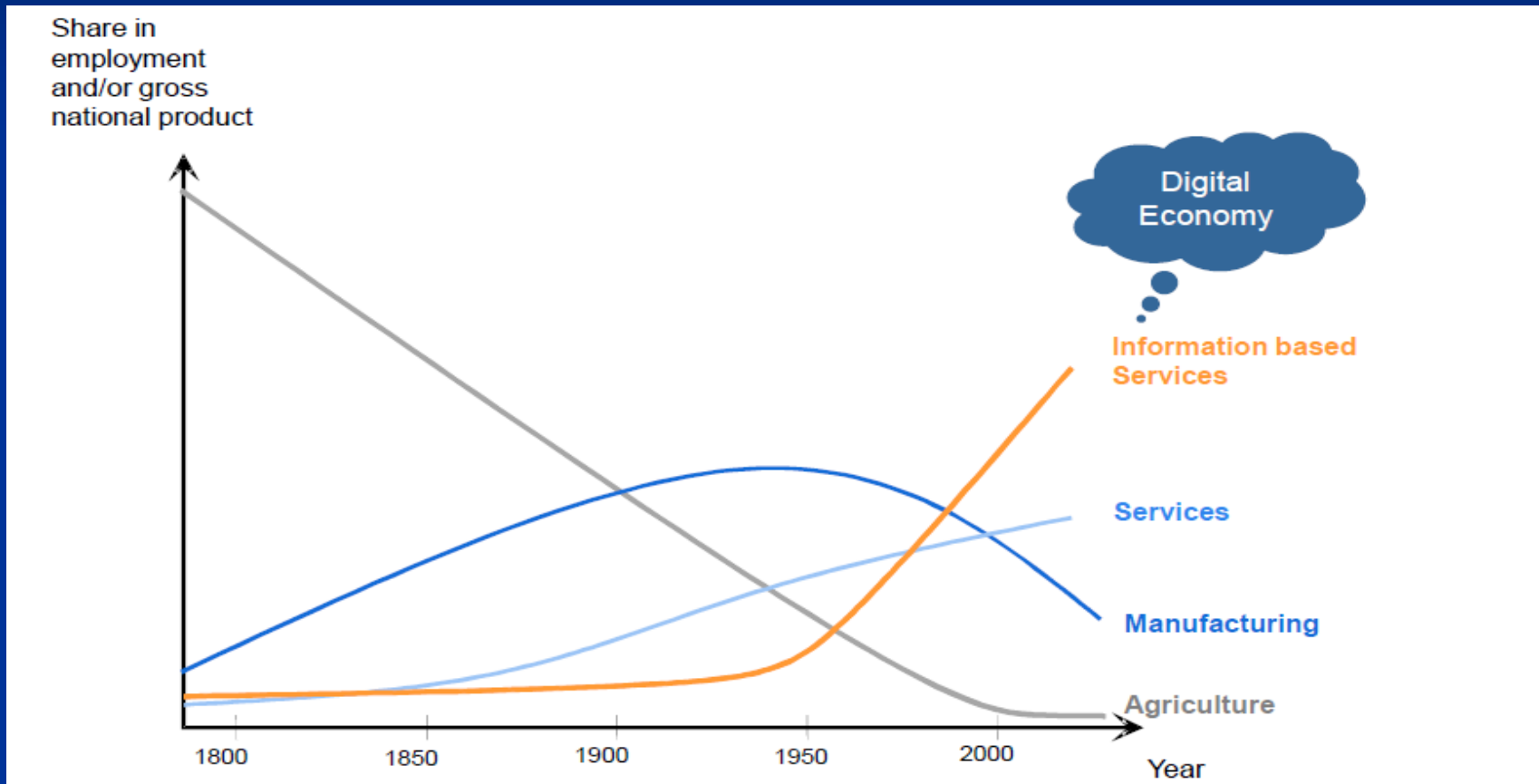
Global Economy

Era of Open Innovation

Service Industry Growth

- Labor Intensive
- Capital Intensive
- Technology Intensive
- Knowledge Intensive

Digital Economy



SRII Mission

- “Innovating Digital Economy for a better World”

SRII Organization

- SRII members include key leaders from industry, academia, research, startups and government organizations from around the world

SRII focus on “Services”

- Deeper understanding of “Global Service Economy”
- Driving Innovation for “IT as Service”

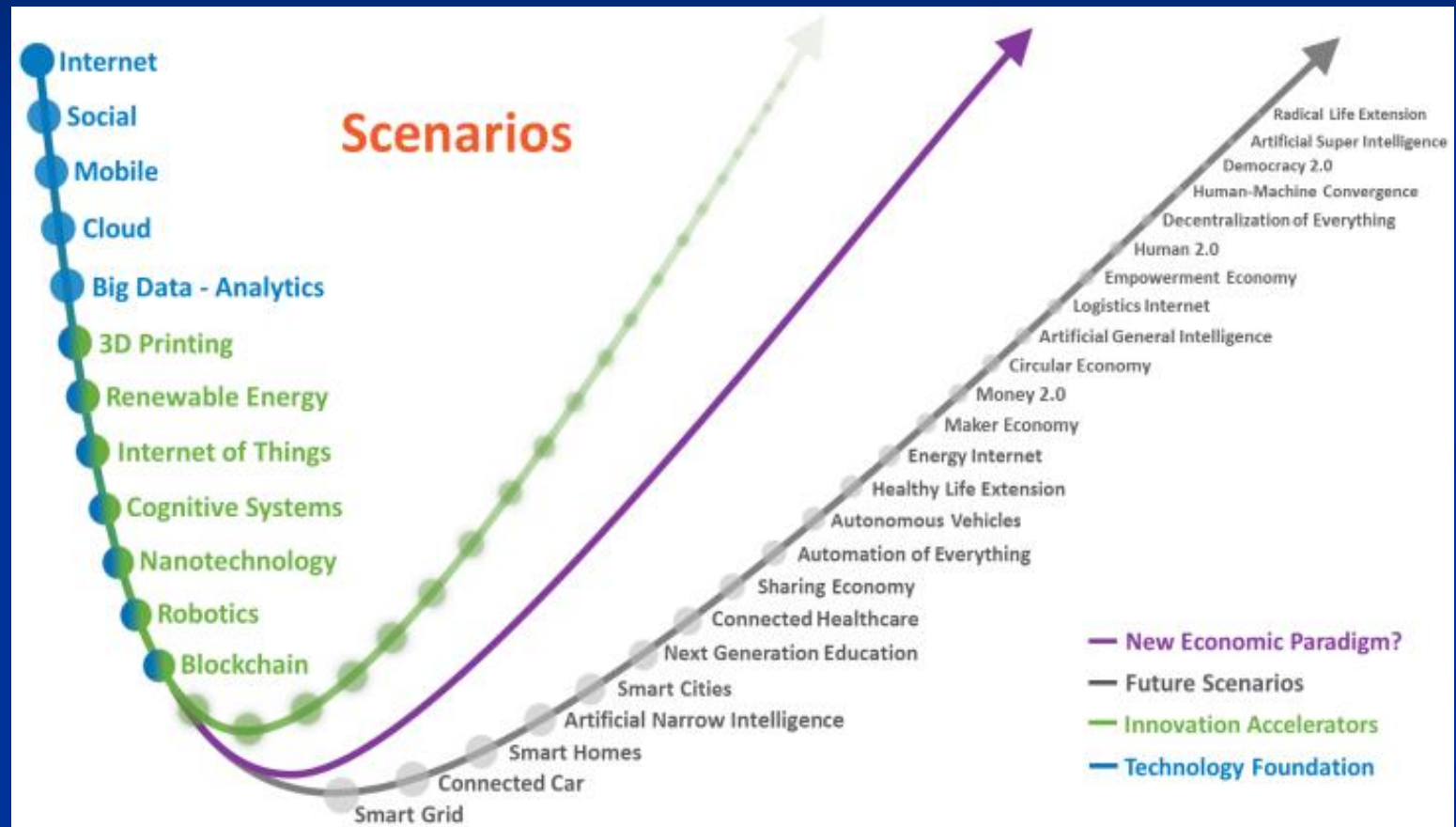
Understanding “Needs” of Service Economy

- Health Care
- Education
- Government
- Finance
- Manufacturing
- Retail
- Telecom
- Agriculture & Food Services
- Transportation

Digital Innovation for major sectors of Global Economy



Innovation Accelerators/New Economy Paradigm



SRII Strategy

- SRII Global Conference & Regional Summits
- SRII Global Chapters
- SRII Focus Groups
- SRII Consulting Services

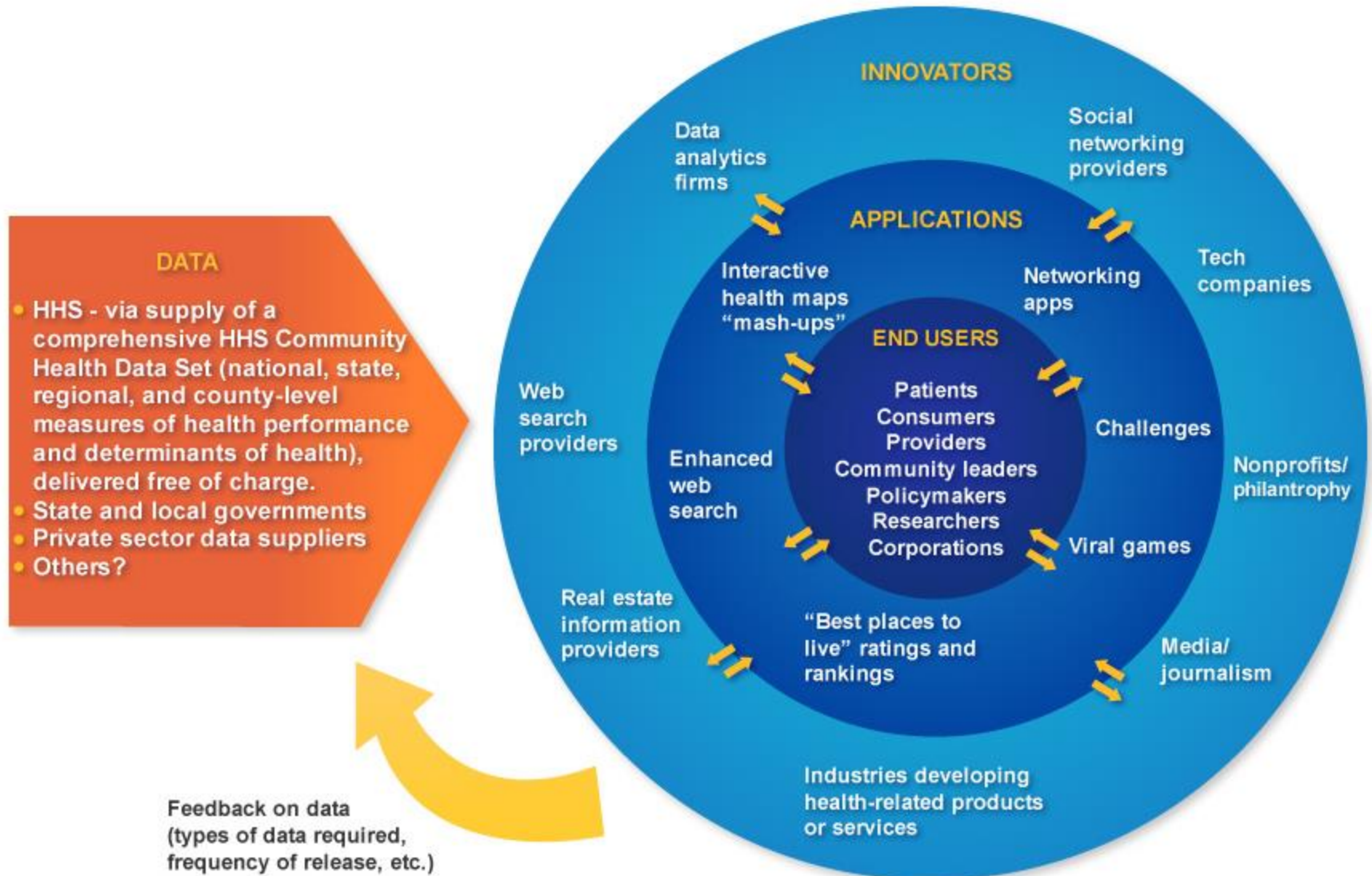
SRII Global Chapters

- Silicon Valley: Global HQ/Conference
- India
- Japan
- Europe
- China
- Asia
- Latin America & Caribbean

SRII Key Focus Groups

- Innovating Healthcare
- Innovating Internet IoT
- Innovating API Economy
- Innovating Digital Manufacturing/Industry 4.0
- Innovating Smart City
- Innovating M-Commerce/Supply Chain
- Innovating Agriculture & Food Services
- Innovating Education & Entrepreneurship

SRII focus on Health Care



Services for Connected Health

Health and Wellness

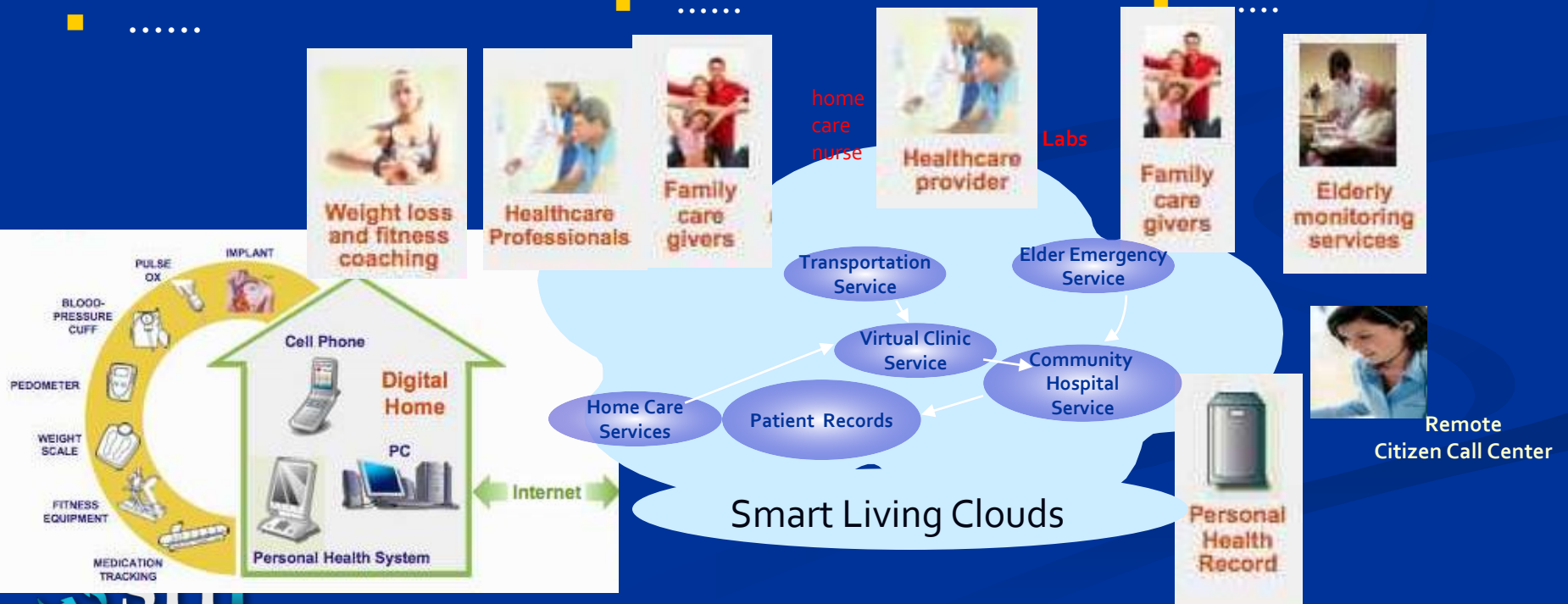
- Weight
- Fitness
- Personal Health Records
- Appointment scheduling
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Disease Management

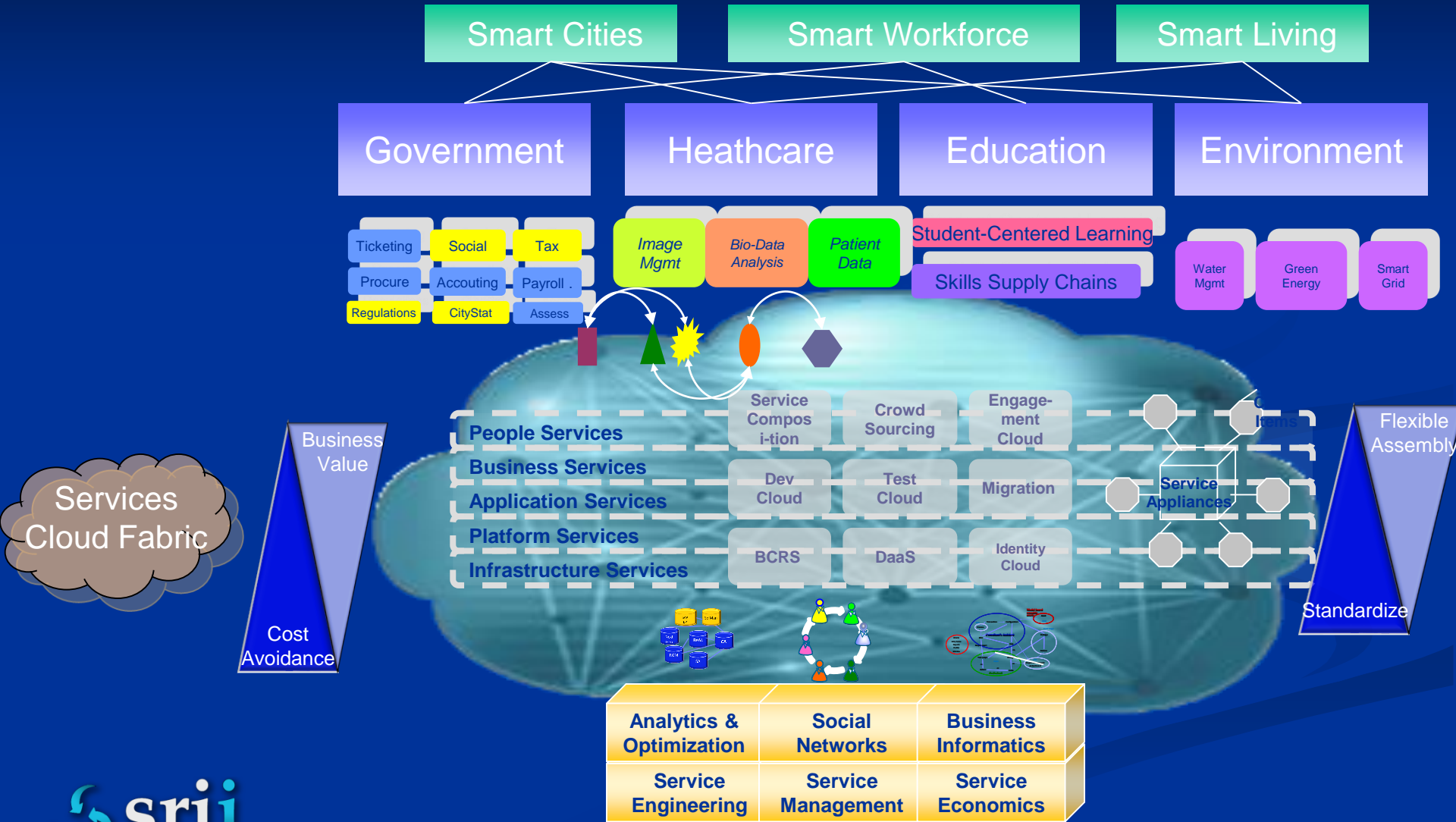
- Remote patient monitoring
- Medication reminders
- Trend analysis and alerts
- Appointment scheduling
-

Aging Independently

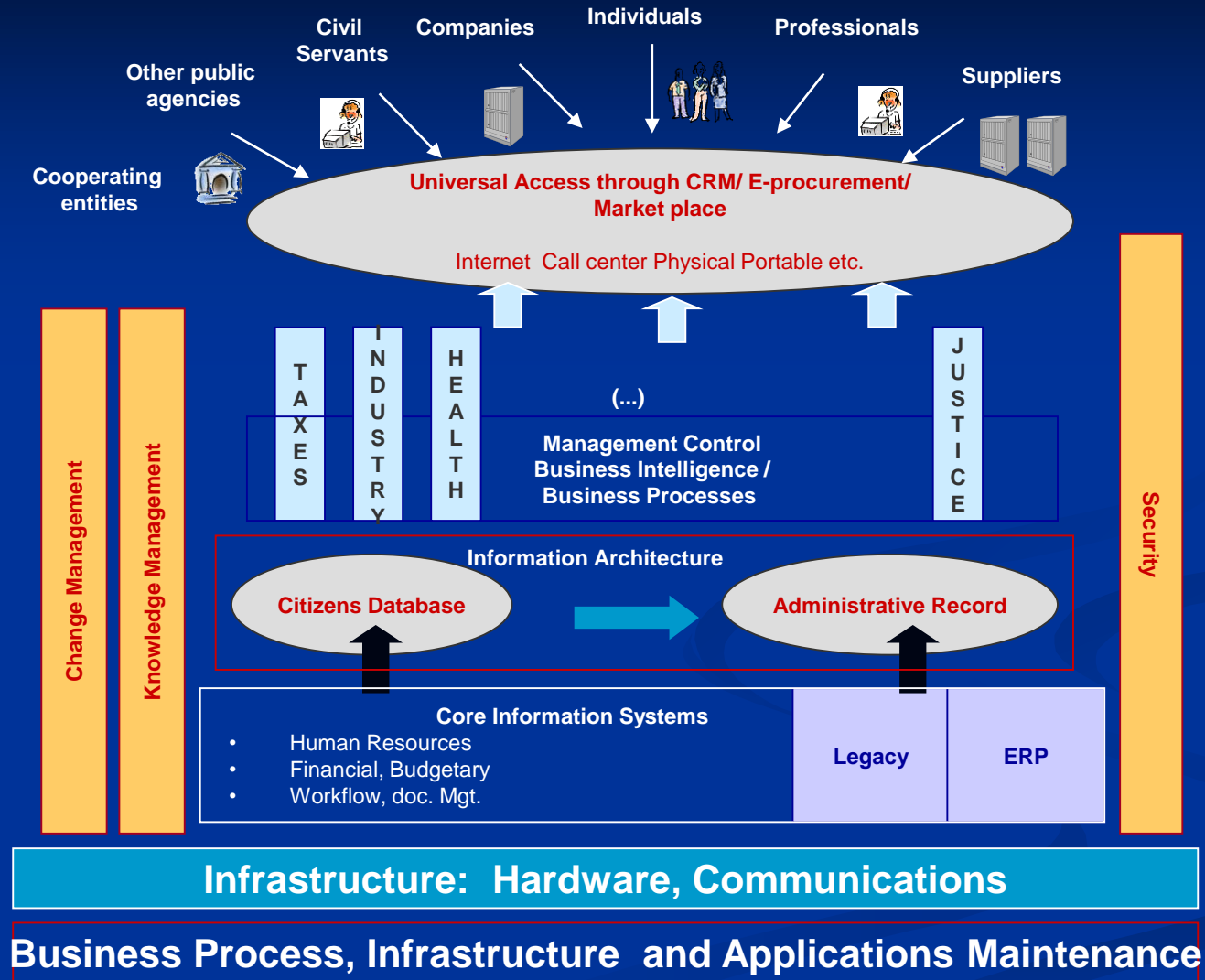
- Family connection
- Basic life monitoring
- Medication reminders
- Trend analysis and alerts
- Appointment scheduling
-



Vision of Services Cloud



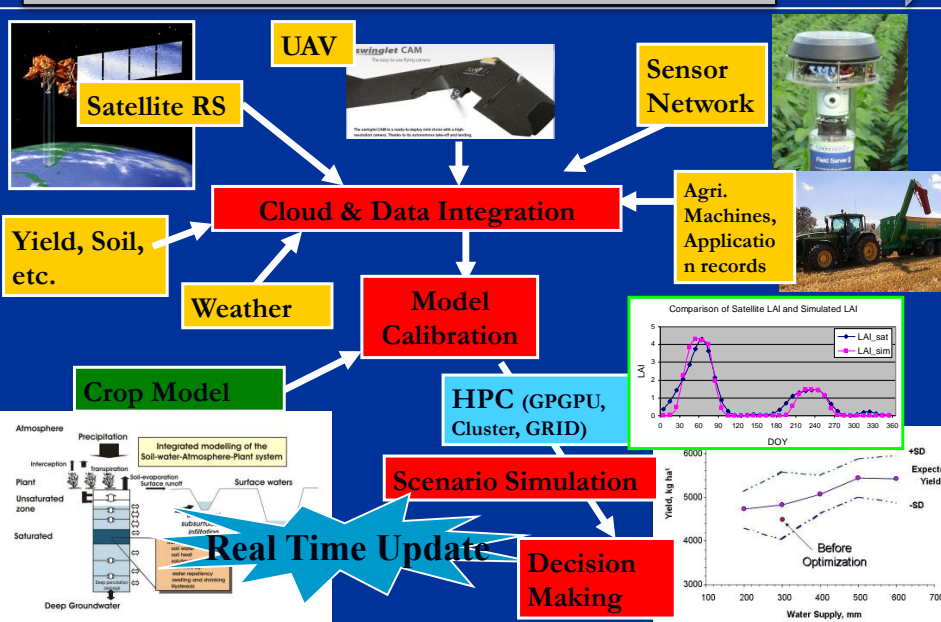
E-Government Architecture



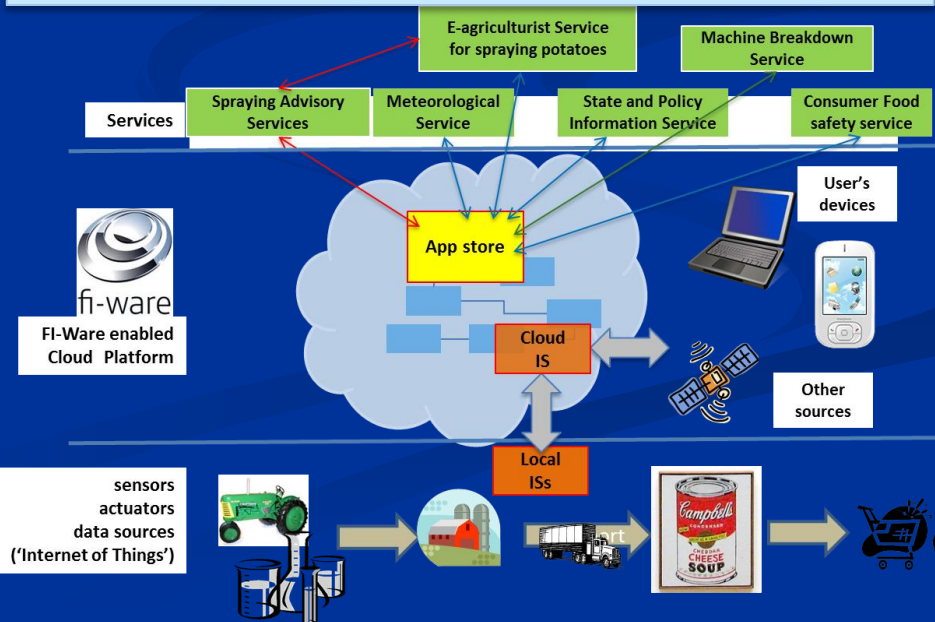
SRII focus group on Agriculture & Food Safety

- ✓ Low impact on environment and biodiversity using less chemicals
- ✓ Efficient production with less use of energy
- ✓ Robustness against climatic change
- ✓ Quality and safe food

Multiplatform IOT and models



Big data based services for from-farm-to-fork



SRII Big Data & Advanced Analytics SIG

Focus Areas and Themes

Big Data And Advanced Analytics Concepts

- What is 'Big Data' / Advanced Analytics and why should we care
- Structured vs. unstructured; SQL vs. NoSQL: What does it all mean?
- Need for scale: machine learning and 'Big Data' / Advanced Analytics
- Big Data / Advanced Analytics and the 'Democratization of Data'

The Big Data Ecosystem

- Infrastructure: faster data access, streams, specialized hardware,...
- Middleware: data-access, manipulation, mining, metadata tagging,...
- End solutions: advanced analytics, automated interventions,...
- The war for talent: seeking the elusive Data Scientist

Delivering Real Client Impact

- From technology toolkits to solutions focused on solving end-customer business needs: how Big Data / Advanced Analytics has evolved
- Real client case studies of the impact of these technologies
- Protecting privacy, security, intellectual property in a Big Data world



Big Data Landscape

THE BIG DATA LANDSCAPE NOVEMBER 2015

Vertical Apps / Data Mining



Log / Machine Data



Transactional Databases



Platforms / Infrastructure



ETL



All in one tools / BI



Analytics Databases



Analytics & Visualisation



Data exploration



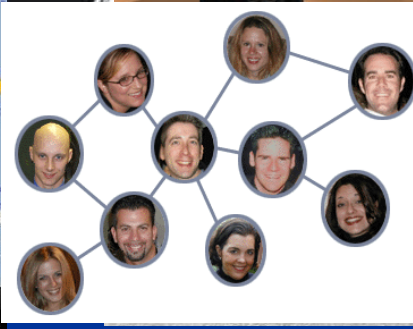
Data Infrastructure



MammothDB.com



Socio-Economic-Ecological Data Mining + Simulation



SRII focus on Innovating Education

- Realign University Curriculum
- Online Education– Life Long learning
- Teach Entrepreneurship
- Teachers training at K-12

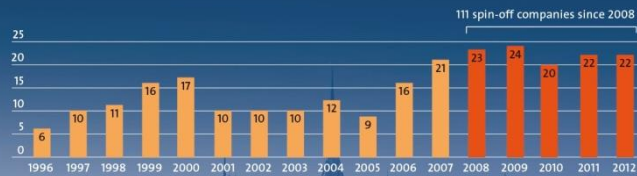
Education & Entrepreneurship

:

MIT, Stanford, Berkeley, Illinois, Michigan, Many others..
 Globally: Tsinghua IIT Cambridge, ETH, Many others..



259 spin-off companies founded at ETH Zurich between 1996 and 2012



SRII Major Deliverables

- Annual SRII Global Conference in Silicon Valley, CA
- SRII Regional Summits in India, China, Europe, Asia and Latin America
- Build SRII focus groups for major industry verticals and technology domains
- Build Industry/Academia/Government partnership to drive funded research programs for major sectors of economy
- Govt. policy/regulations for Digital Innovation
- SRII Consulting Services for organizations around the world