

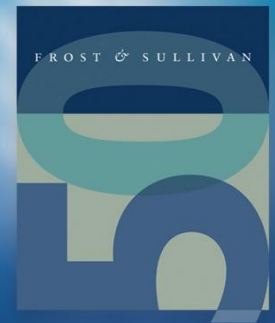


TECHNICAL INSIGHTS
FROST & SULLIVAN

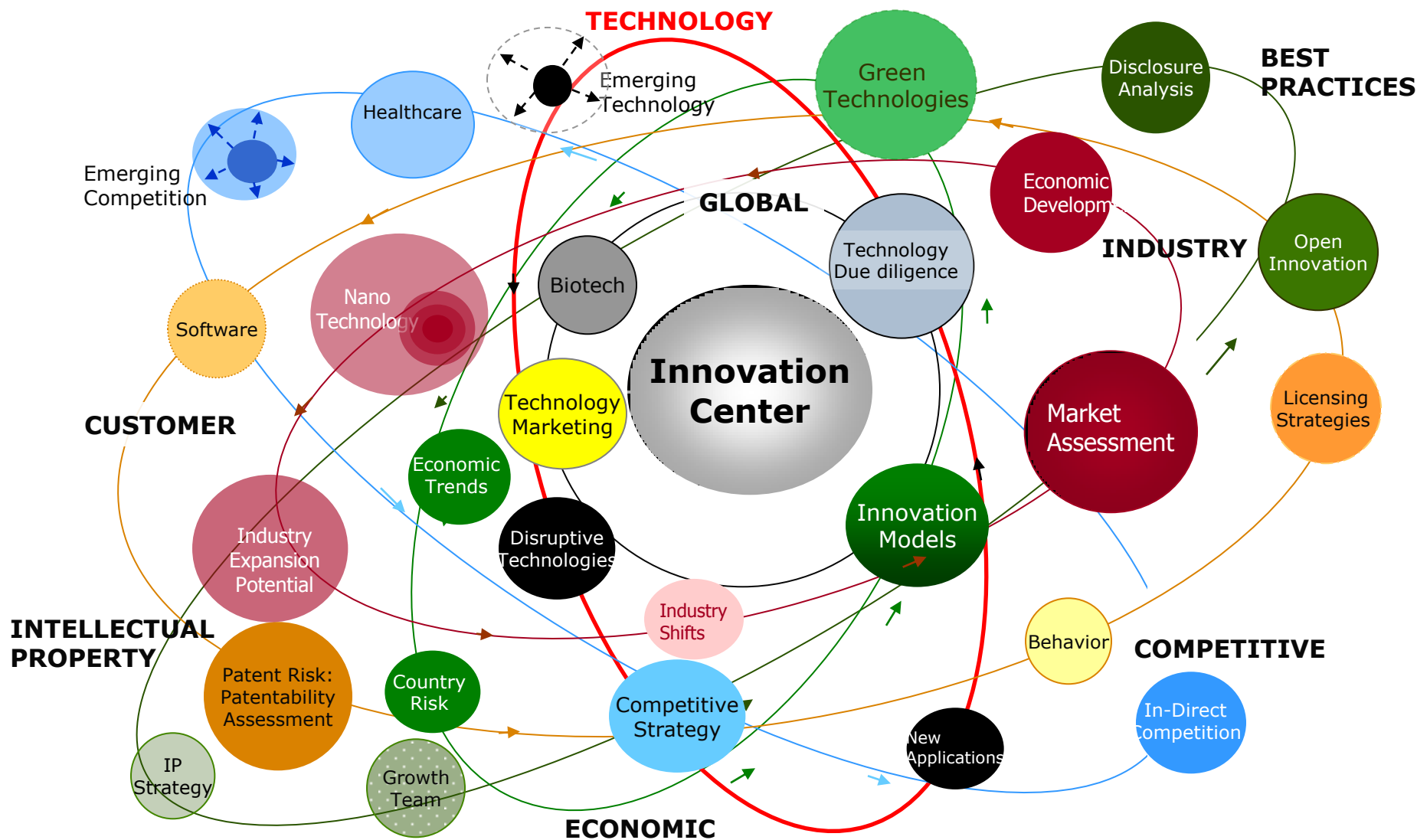
Top 50 Technologies

TechVision 2020 Program

Beatrice Shepherd
Vice President Frost & Sullivan CEE & Russia
Skolkovo, 2012



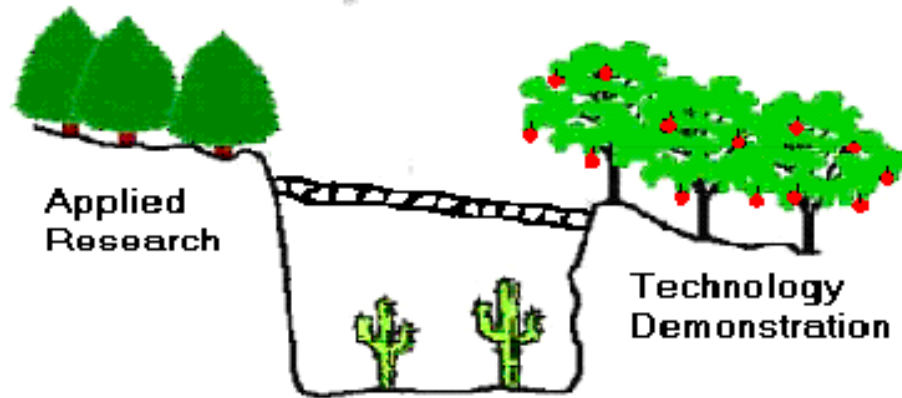
Map of the Complex 'Innovation' Universe



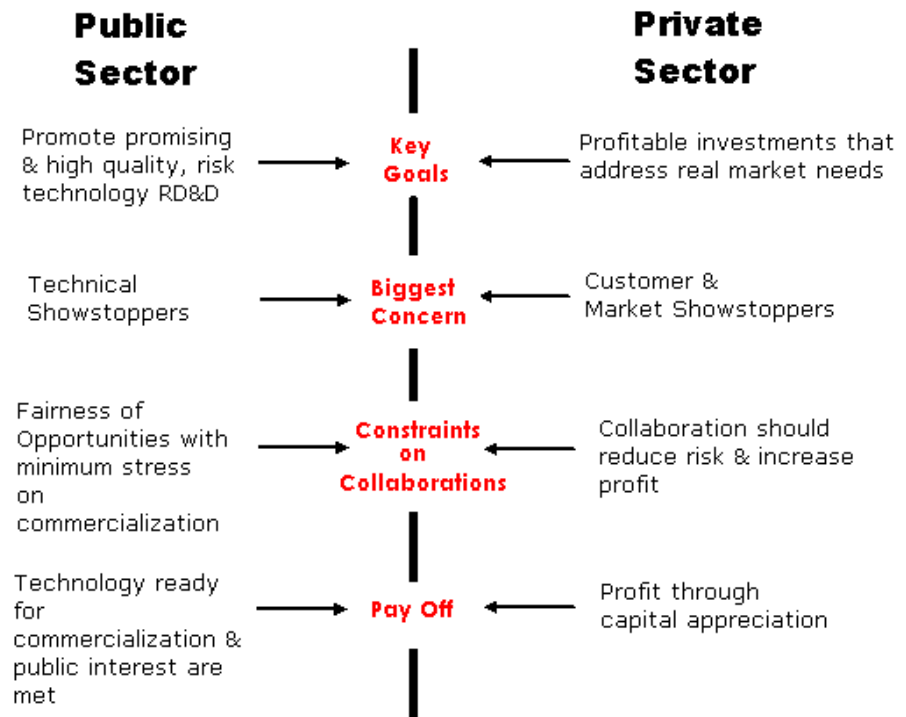
Valley of Death (VoD)

Investor's Guide: What, Why and How to avoid?

The Valley of Death ...



80-85% of technologies developed globally never make it to the commercial world due to the inability to cross VOD

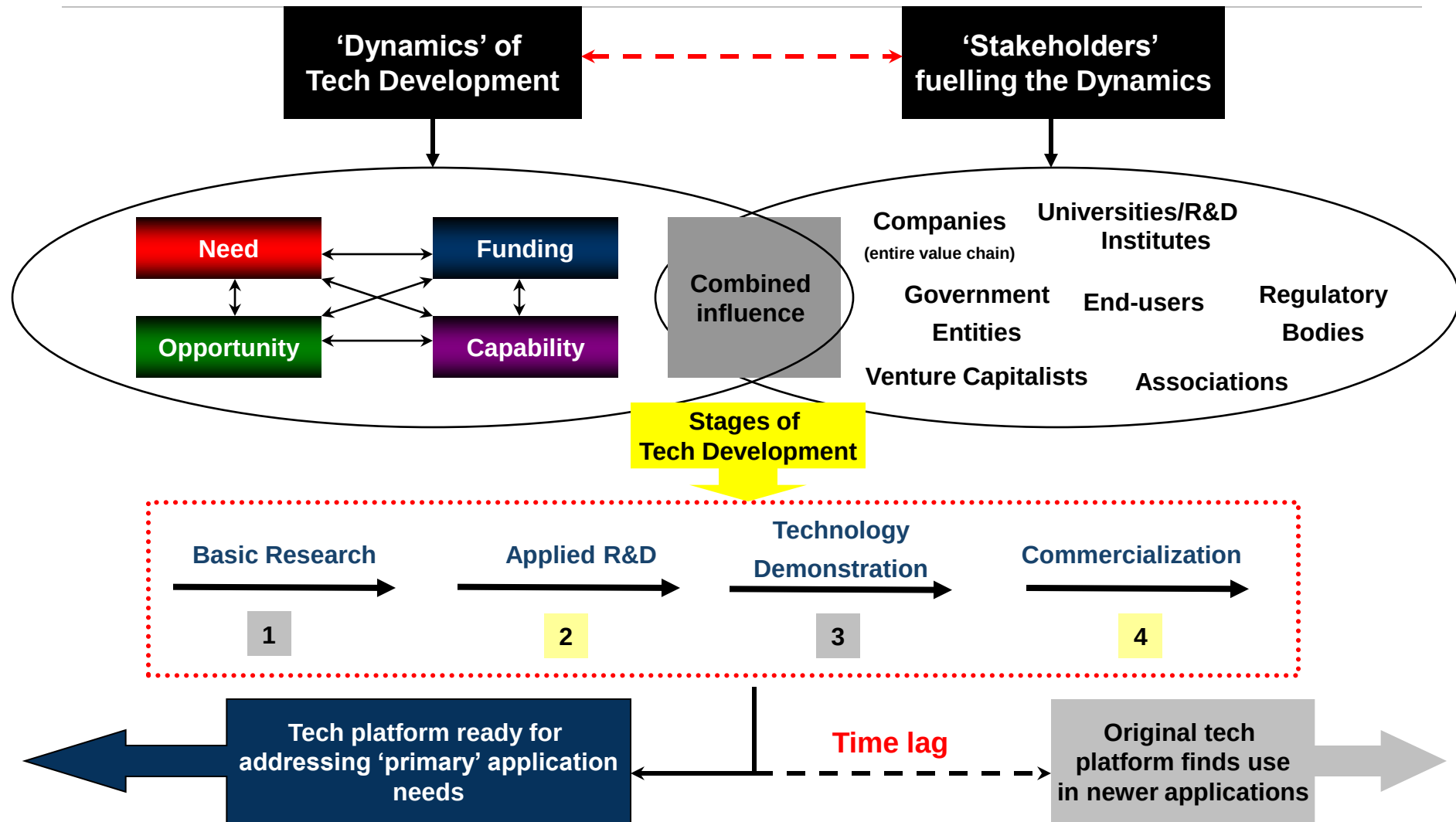


Perspectives, goals and investment approaches of Public and Private Sector Funding

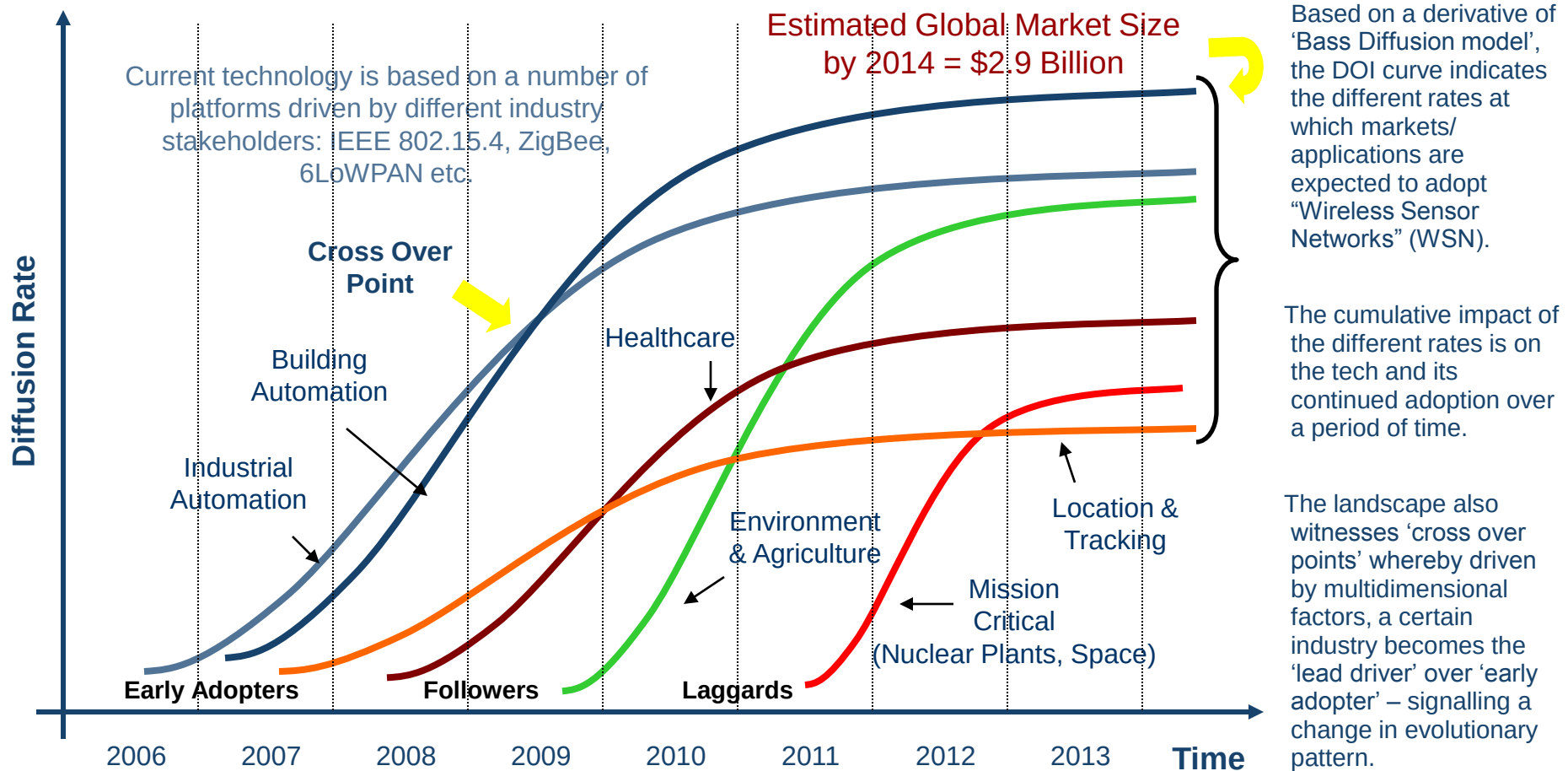
Given the dangers of falling into the “Valley of Death”, investors need to closely assess the potential of a given technology platform to understand the true market potential it holds and to evaluate the risk-reward elements

Diffusion of Innovation (DOI)

Process, Dynamics, Stakeholder, Applications, Impact

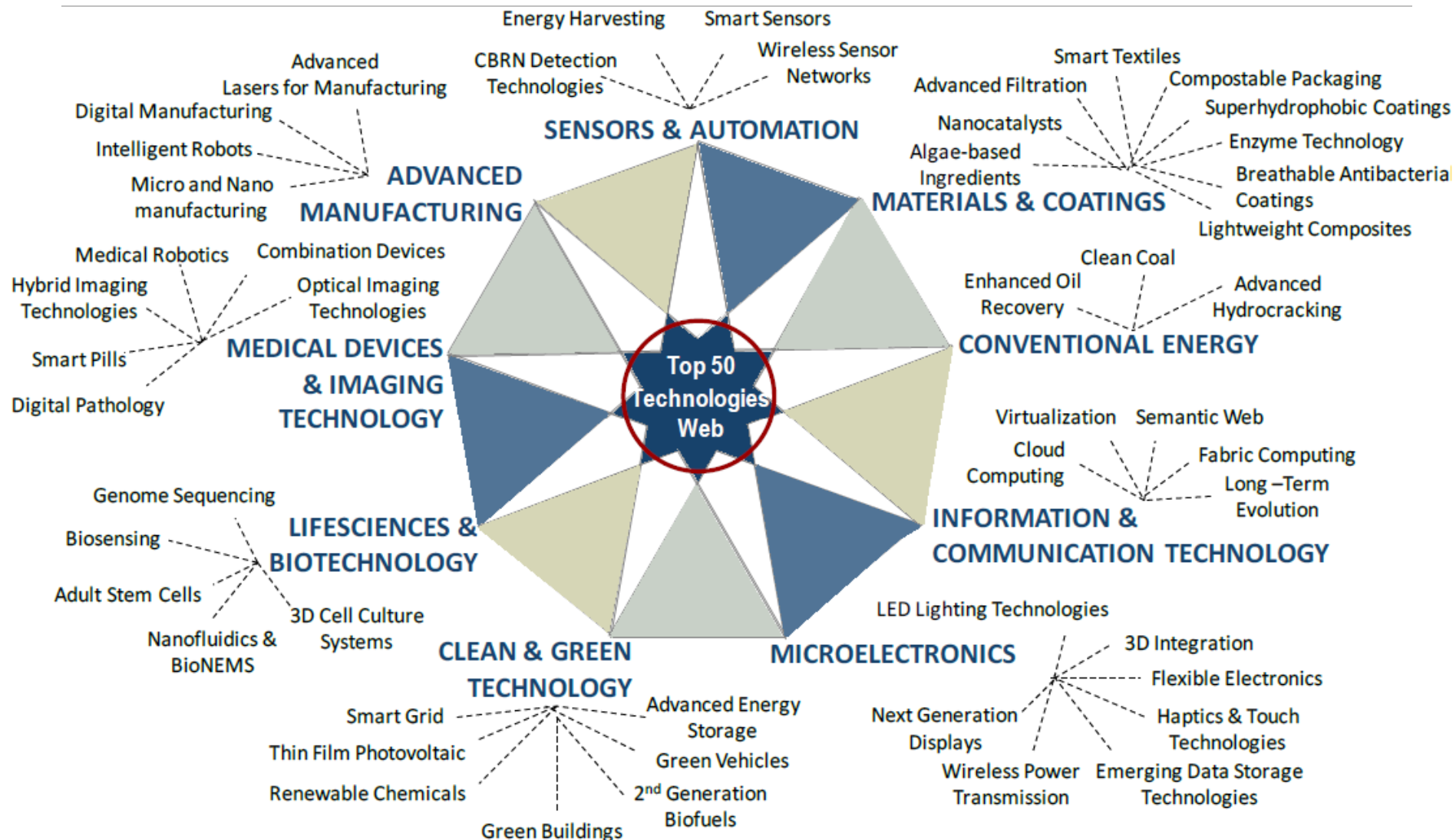


Diffusion of Innovation (DOI) ... Example – Wireless Sensor Networks (WSN)



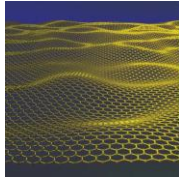
Example: Wireless Sensor Network (WSN) - Industrial Automation & Building Automation find greatest WSN technology penetration with other applications following it as reliability increases & cost decreases in the future

Top 50 Technology Web



Top 10 High Tech to Invest

Nanomaterials



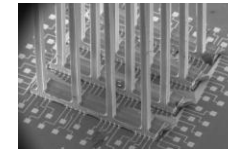
Smart Textiles



Renewable Chemicals



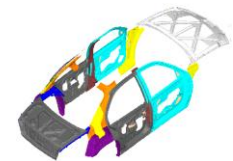
3D Integration



Advanced Batteries and Energy Storage



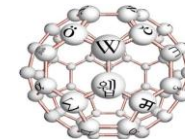
Advanced Manufacturing



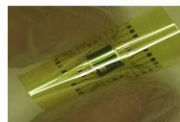
Thin Film PV



Semantic Web



Flexible Electronics



Ultra thin chip package
Source: John Langfellow SHFT Project

Genome Sequencing



Thank You

Beatrice Shepherd

Vice President Frost & Sullivan

Frost & Sullivan CEE, Russia and CIS

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Frost & Sullivan celebrated its 50th year in business in 2011!

