

Identified areas for ICT

- E-services/M-services (health, government, education, commerce)
- accessibility
- future internet research
- internet of things
- advanced sensor networks
- wireless sensor networks
- smart living for all
- industry applications – agriculture, mining, manufacturing, environment monitoring
- Cybersecurity
- Energy efficiency
- HPC
- Embedded systems/electronics

Application

- Energy efficiency (Barend Taute, Alain Fontaine, Nathalie, Herve Guillard, Anne Doucet)
- Smart living for all (Barend Taute, Herve Guillard, Anne Doucet, Boudy, Anne Doucet)
- Environmental monitoring (Barend Taute, Catherine Ngila, Mairam Gulumian, Nathalie Mitton, Guillard, Anne Doucet)
- Embedded systems/electronics (Boudy, Barend Taute, Darelle van Greunen, Herve Guillard, Anne Doucet)
- HPC (Barend Taute, Herve Guillard, Anne Doucet)
- E-services (Darelle van Greunen, Barend Taute, Claire : only health)

Identified areas for Nanotech

- Nanomaterials
 - for health (therapeutics, drug delivery, diagnostic prototypes)
 - for water (water filtration and treatment)
- Fundamental nano science (synthesis, modeling, simulation)
- Responsible nano (health risk assessment, and environment)
- Advanced materials and energy
- Functional composites
- Nanominerals
- Sensors
- Nanocatalysis
- Research using nuclear materials
- Development of techniques (Strain Measurement, HRTEM, Diffraction, Tomography, EELS, EDX)
- Education and training
- Nanofab
- Nanophotonics
- Photovoltaic
- Spintronics

Modalities (nanotechnology)

- Education and training (Joseph Molapisi, Thierry Epicier)
- Material research (Robert Tshikudo, Thierry Epicier)
- Responsible nano (health risk assessment, and environment) (Mary Gulumian, Alain Fontaine, nanosafe)
- Nanoelectronics and applications (photovoltaic,...) (Alain Fontaine, Prof. Botha)
- HRTEM + atomic imaging (Prof. Michael Lee, Jean-Luc Rouvière)