



*100% Inclusion For Everyone, Everywhere
Systemic ... Sustainable ... Scalable*

FACT SHEET:

- **1. New STEM Education Preparatory Initiative:** The Global NanoTech-STEM Initiative represents the first global, *K-Career* preparatory initiative to train the next generation of scientists, engineers, educators, executives and entrepreneurs from underserved communities, worldwide, *K-12-College-Career*. This Global NanoTech-STEM Initiative was developed by leading international educators from Africa, India, Latin America and the United States.
- **2. Focus:** The focus of the Global NanoTech-STEM Initiative is on science-technology-engineering-math [STEM], problem-solving, creative-thinking, collaboration, and business leadership skills to prepare the next-generation of leaders for success the Global Economy-Information Society, *K-12-College-Career*.
- **3. Mission & Goal -100% STEM Inclusion:** The mission and goal of the Global NanoTech-STEM Initiative is to deliver the highest quality STEM Content, Teacher Training & Student Training for every school ... everywhere ... *100% STEM Inclusion!*
- **4. Applied-Learning STEM Education:** To accelerate learning, motivation, and application of STEM skills among underserved students, *K-12-College-Career*, the Global NanoTech-STEM Initiative uses **applied-learning** that extends the reach, scope and depth of students' understanding in: **biology; chemistry; physics; algebra, geometry, trigonometry, calculus, mechanics; alternative energy, environmental preservation and reclamation; clean water science; disease prevention and treatment; eco-engineering; agricultural and irrigation science; aerospace science and engineering; hazards and disasters; biotechnology and nanoscience/nanotechnology.**
- **5. International Educational Commitments:** The Global NanoTech-STEM Initiative will donate innovative programs, materials and training valued at more than \$1.2 Million USD, including:
 - 67 Science-Entrepreneur Programs, *K-12-College-Career*;
 - Global Science-Engineering Network, Web1-2-3;
 - Leading International OER STEM Materials, *K-12-College-Career*;
 - Leading International Educators & Instructors.
- **6. Request For Profiles from Africa:** Primary-middle-high schools, universities and NGOs that are interested in implementing the Global NanoTech-STEM Initiative in Africa are requested to send their organization's profile to:

Professor Sospeter M. Muhongo,
Regional Director
ICSU Regional Office for Africa
P.O. Box 13252
Pretoria, 0028 South Africa
E-mail: s.muhongo@icsu-africa.org