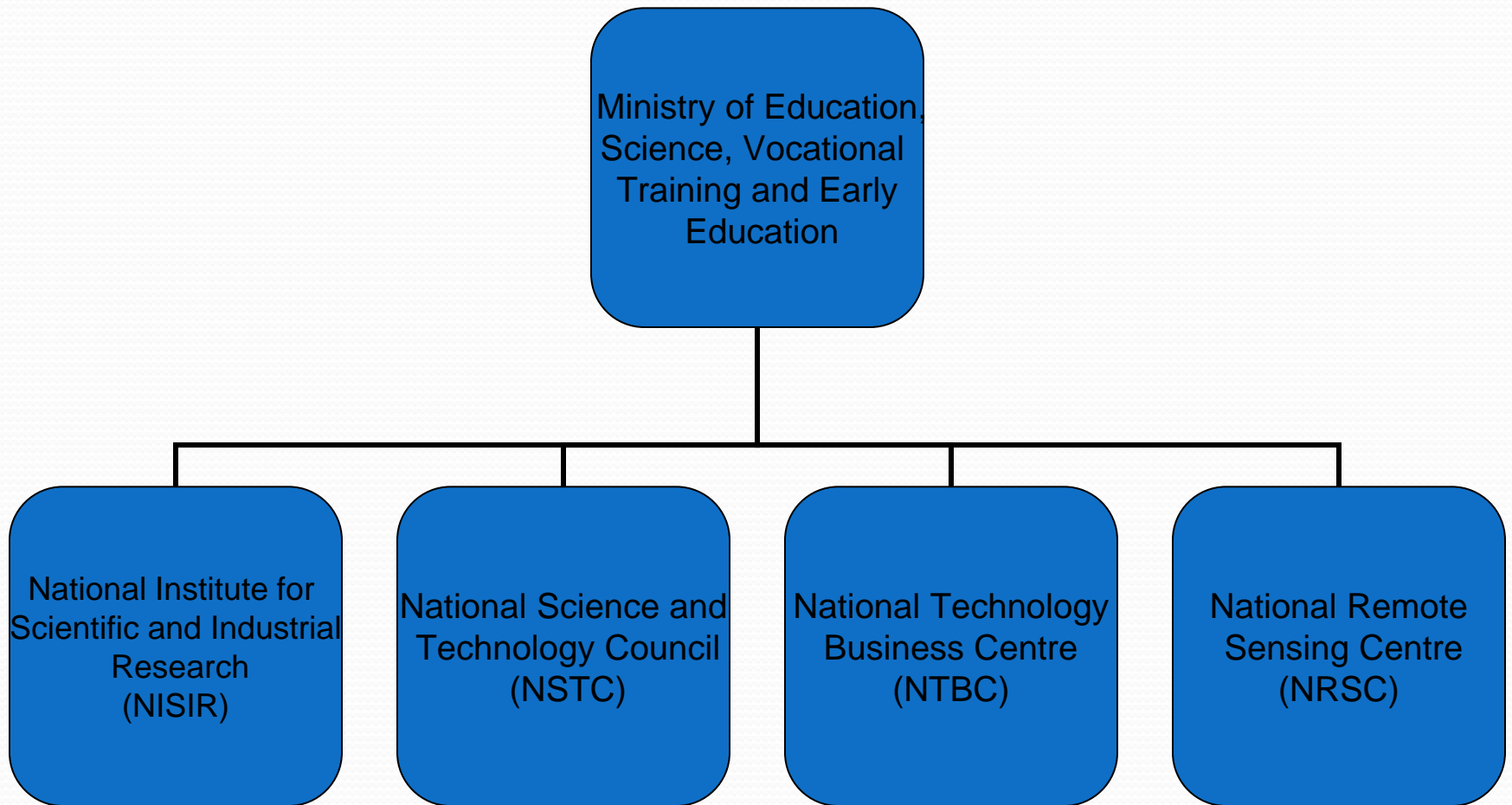


**Use of IP System for
Research and
Development
Institutions and business
Competitiveness**



National Technology Business Centre

MESVTEE INSTITUTIONS



Core Function of each Institution

- **NISIR** - to conduct and promote Scientific, Technological and Industrial Research in Zambia;
- **NSTC** - Regulate, Monitor & Evaluate and provide Policy guidance related to the use of STI
- **NTBC** – Spearhead the Commercialisation of research products, Innovations and transfer of proven technologies, innovations for the benefit of Zambia
- **NRSC** - to deal with remote sensing and geographic information systems technologies in Zambia

Zambia Agriculture Research Institute

- Under Ministry of Agriculture and livestock
- Mandate- Research in Crop, soil and water management
- Utilisation of IP-
 - Signed MOU with NTBC
 - One of the activities to be implemented is Developing IP policy
 - Crop Varieties developed are largely for Small scale farmers
 - Have access to Research4Life databases

Zambia Medicines Regulatory Authority (ZAMRA)

- **Is a regulatory authority under Ministry of Health**
- **Mandate- To regulate the Practice of Pharmacy in Zambia**
- **Most research information is accessed through the UNZA School of Medicine library- Ridgeway campus at UTH**

NTBC- Who we are;

- **The National Technology Business Centre (NTBC) is a corporate body that was created by the Science and Technology Act No. 26 of 1997 and Statutory Instrument No. 136 of 1999. Operations began in April 2002.**
- **NTBC is managed by a Board of Directors drawn from various sectors in industry**
- **NTBC has two core functions, i.e. Commercializing of innovative products and transfer of technologies.**



Our Vision

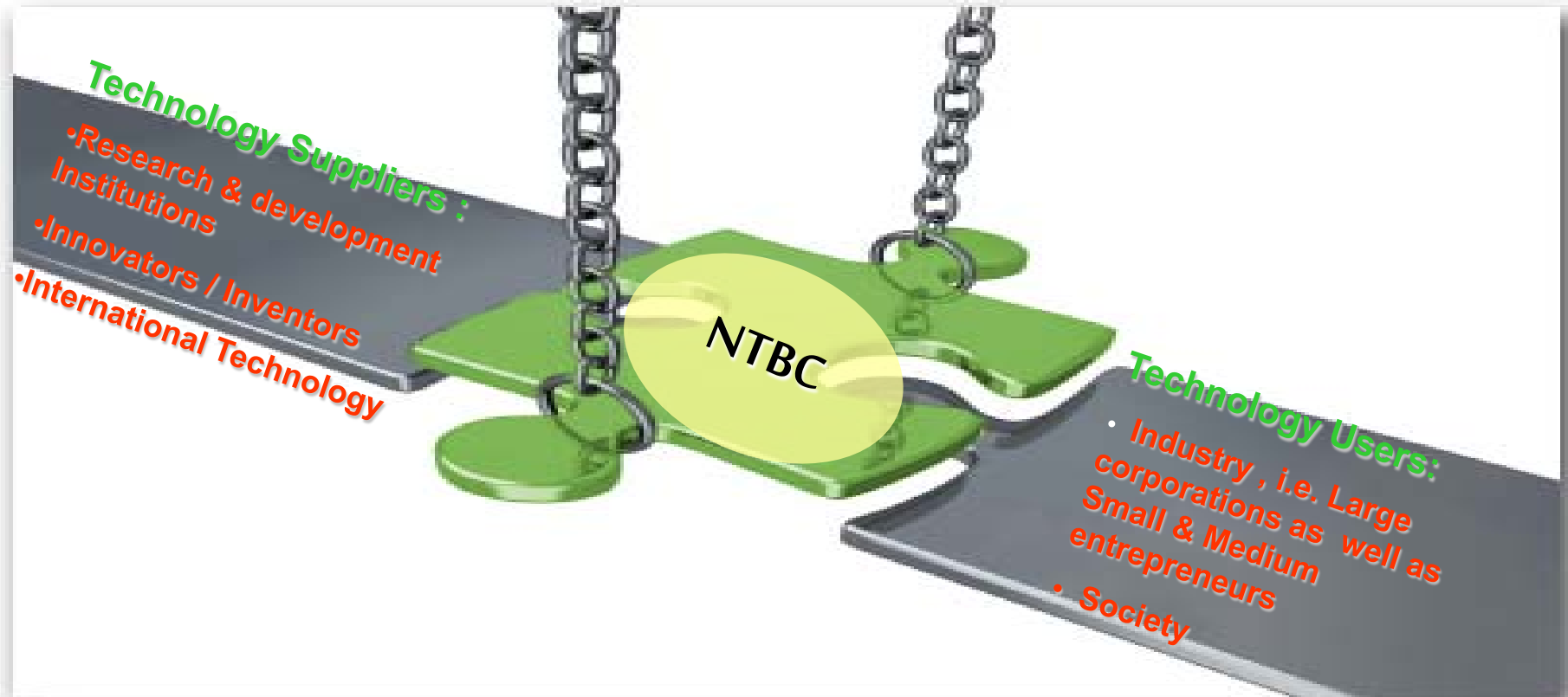
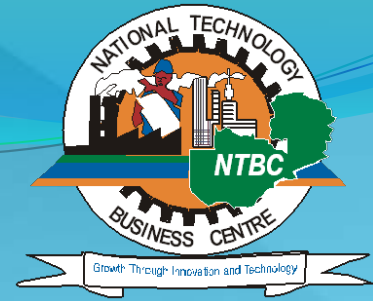
To be a leading institution in the promotion, marketing and transfer of technologies in Zambia



Our Mission

To effectively promote, market and transfer suitable technologies to entrepreneurs in order to maximize their utilisation by industry.

OUR ROLE



Pillars of National Technology Development



**Technology
Acquisition and
transfer**

**Technology Marketing
and Innovation
promotion**

**Technology Audit and
Validation**

**Provision of
Technology Information**

Business Development

Technology Acquisition and transfer

SME's

Innovators

Inventors

R & D



Services:

- **Drafting of licensing agreements**
- **Technology/ Prototype improvement**
- **Technology identification and linking seekers to suppliers**
- **Facilitation of Intellectual protection**
- **Technical assessments**

Technology Marketing & Innovation Promotion

Services:

- Idea conceptualizing & Evaluation
- Market Assessment
- Innovation marketing
- Product Concept testing
- New Product Development Management

Innovators * Industry * SME's * Society





Technology Audit and Validation

- Stock taking of technologies in use in Zambia
- Technology Skills and Knowledge audit
- Technology Maintenance Plan assessment
- Availability of documentations such as manuals to aid use of tech.
- Assessment of Appropriateness of tech. in use
- Assessment of potential to generate IP
- Environmental impact assessment

-Out put feeds into

Development of standards

Identification of Technology gaps in the country

Technology development Ranking at national level



Provision of Technology Information

The Technology Information Resource Centre (TIRC) provides on line information on :

- New technologies for improved production of goods and services
- Available patents
- Investment opportunities in form of Patents Profiles and business profiles
- Technology Markets
- Technology suppliers and seekers
- Validated technologies in Zambia

Target: SMES, R& D institutions, Innovators & Inventors, Investors, Technology seekers and Suppliers, Students

Business Development

Services:

- Management of Technology Business Development Fund
- Linkages to financiers
- Technology Business incubation programme
- Preparation of Business plans to facilitate commercialisation of products
- Feasibility studies



Target: SMES, R& D institutions, Innovators & Inventors, Investors, Technology seekers and Suppliers, Entrepreneurs

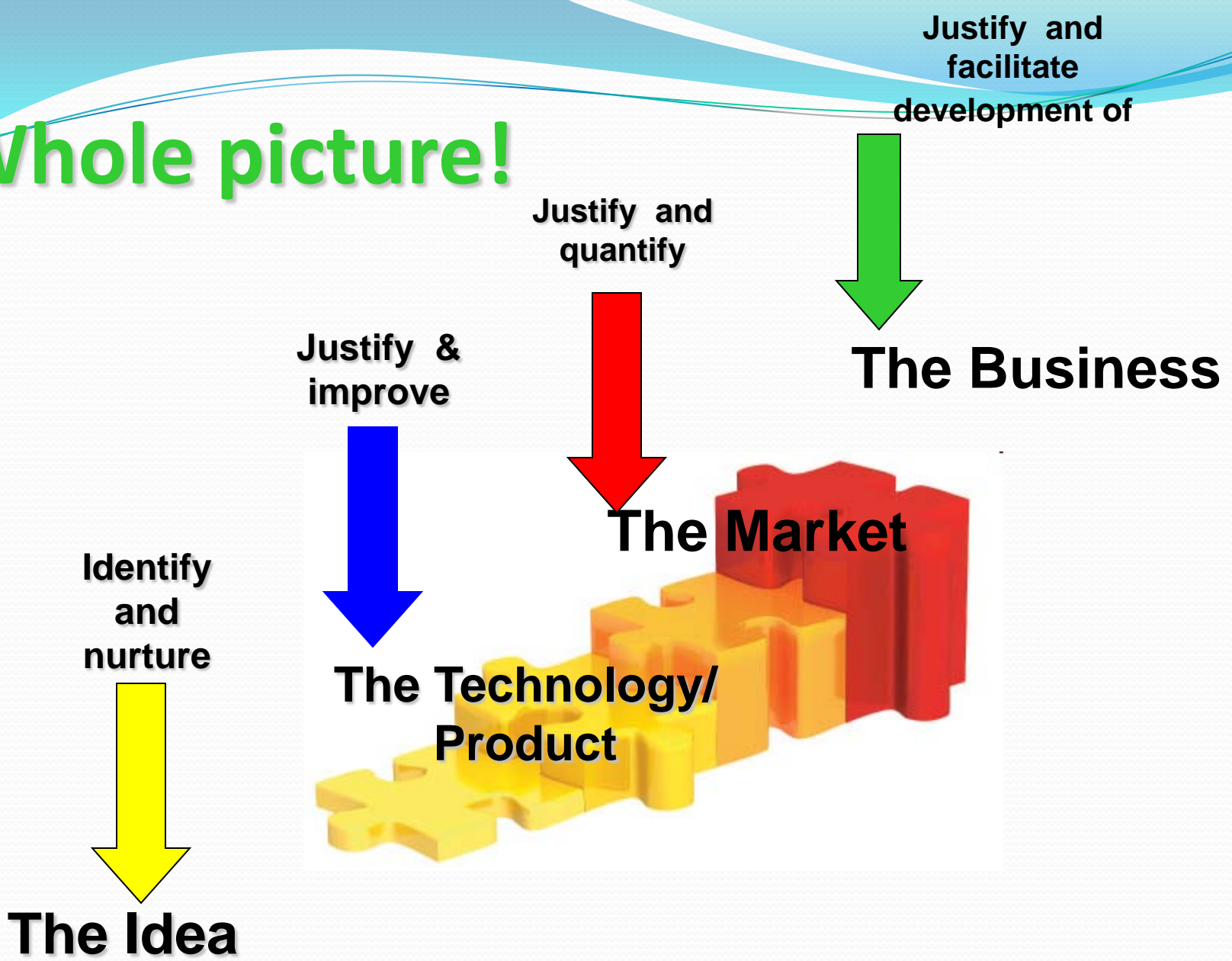
TISC Establishment

- **PACRA has established one.**
- **Other institutions identified include;**
 - **National Technology Business Centre (NTBC)**
 - **National Institute for Industrial Research (NISIR),**
 - **National Science and Technology Council (NSTC),**
 - **University of Zambia (UNZA) and the**
 - **Tropical Diseases Research Centre (TDRC)**
 - **Zambia Agriculture Research Institute (ZARI)**

IP Strategies

- Budget for the provisional Patent filing of Innovations- Fertiliser applicator, Wheel burrow
- Support innovation/ technology development resulting from expired patents- Medical shaker (production of 2 more units)
- **IP for Business Competitiveness-** Managing a Technology Business Development Fund (TBDF);
 - Taking on board partners in innovation promotion e.g. Southern African Innovation Support Programme and International Development Innovation Network (IDIN).

Whole picture!



Focus: Reduce risk of failure

Thank you for listening!

A collection of dark grey spheres arranged in a grid-like pattern. One sphere in the center-left is glowing with a bright blue light, making it stand out from the others.

Dare to be
DIFFERENT