

Department of Energy

State of Energy Statistics in South Africa



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REPUBLIC OF SOUTH AFRICA

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Department: Energy

**Sub-Directorate: Energy Data Quality and
Integrity**

To be covered ...

- need for energy statistics
- current state of energy statistics: gaps
- current state of energy statistics: demand and supply
- transformation of energy statistics
- desired outcome of the transformation process



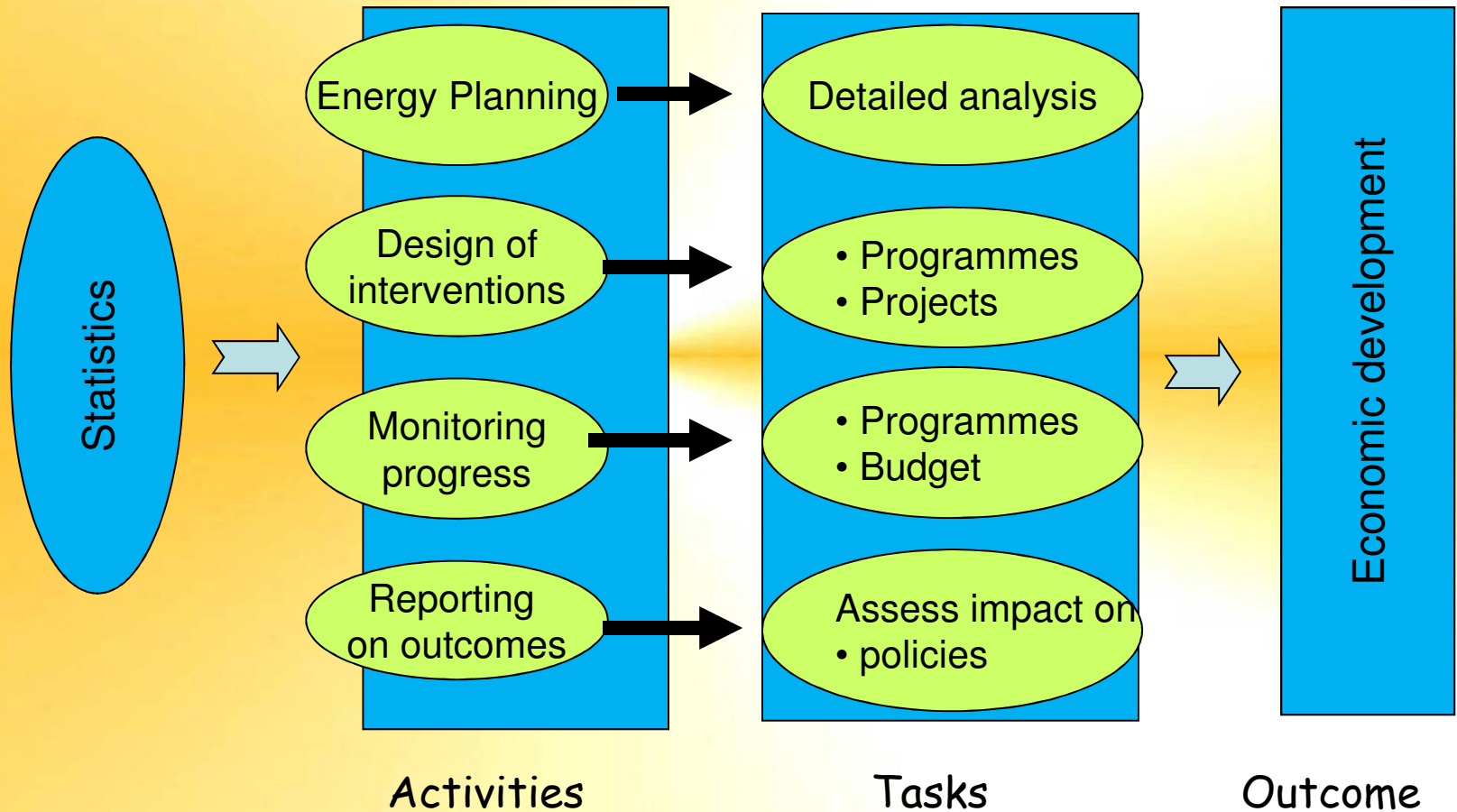
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Why do we need energy statistics?

To monitor development



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The current state of energy statistics: gaps

- **Not “enough” energy statistics to inform energy planning**
 - *insufficient coverage*
- **Lack of quality in data collected and therefore in statistics produced**
 - *Inadequate quality drivers*
 - No domesticated questionnaires for data collection for local/national needs
 - provision of energy data voluntary
 - collect secondary energy data (no control over the primary data collection)
 - Timeliness
 - *No common or shared standards*
 - Statistics not comparable - **concepts, definitions, classification and methodology not standardised across all energy statistics producing agencies**
 - fragmented systems – many isolated producers of energy statistics
 - duplication of efforts
 - respondent fatigue
- **Lack of capacity to produce quality energy statistics**
 - *Skills gaps*
 - Insufficiently skilled personnel

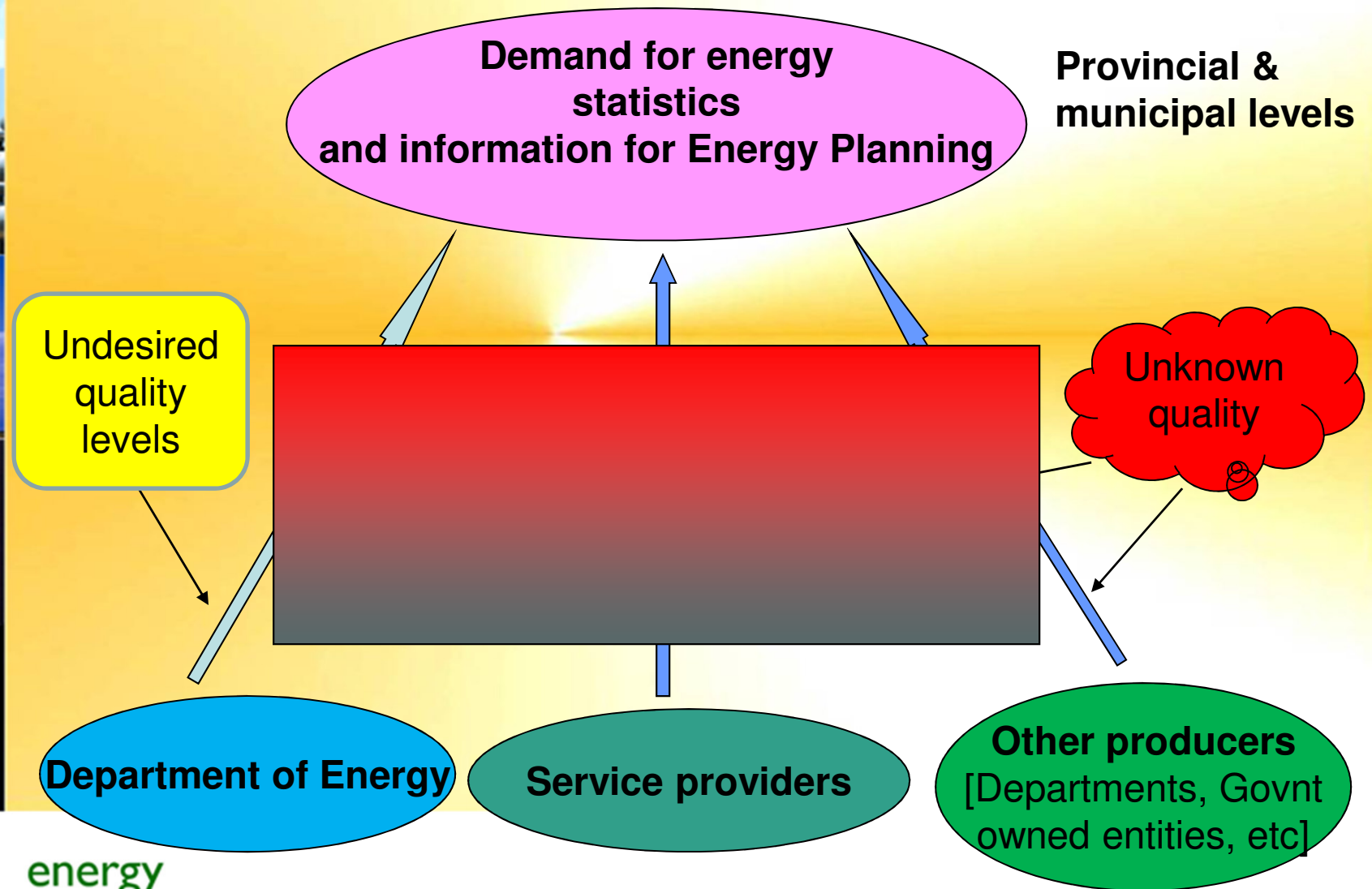


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The current state of energy Statistics: demand & supply

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Transformation of Energy Statistics

Do something – put in place a strategy for change and implement it

- To put an organisational process in place to address the **THREE DEMAND ISSUES**:
 - To have “enough” statistics for users
 - To ensure quality in the statistics (both extant and planned)
 - To facilitate the building of statistical capacity

The ***organisational processes*** for meeting demand for quality energy statistics in a form of **collaboration with relevant institutions**: MoU with StatsSA for partnership in the National Statistics System (NSS); JESTT (Joint Energy Statistics Task Team: DoE, StatsSA, Nersa and SANERI)



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Transformation of Energy Statistics

Status quo

Collaborate: MoU with StatSA and
NSS Partnership, JESTT, OSLO

Desired state

Insufficient
coverage

Widen the scope
of energy
statistics through
partnerships

Sufficient energy
statistics that meet
User needs

Uncertain
quality

Quality
framework: IRES,
UN fundamental
principles,
SASQAF

Good quality
energy statistics
with official status

Inadequate
capacity

Capacity
Building (IEA and
SASQAF training)

Sufficient skills for
the production of
official energy
statistics



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Desired Outcomes of the transformation process

**DEMAND MET: Internal
(within DoE), National and
Global**

- Adequate energy statistics and information
- Reliable energy statistics and information [good quality, sustainable]
- Sufficient skills for the production of official energy statistics

Regulatory environment and organisational processes

- National Energy Act and Regulations on the Provision of Energy Data
- Standards (IRES, UN Principles of official statistics, SASQAF)
- Collaborations for quality improvement (MoU, JESTT)

**Statistical production
within DoE**



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Thank you

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