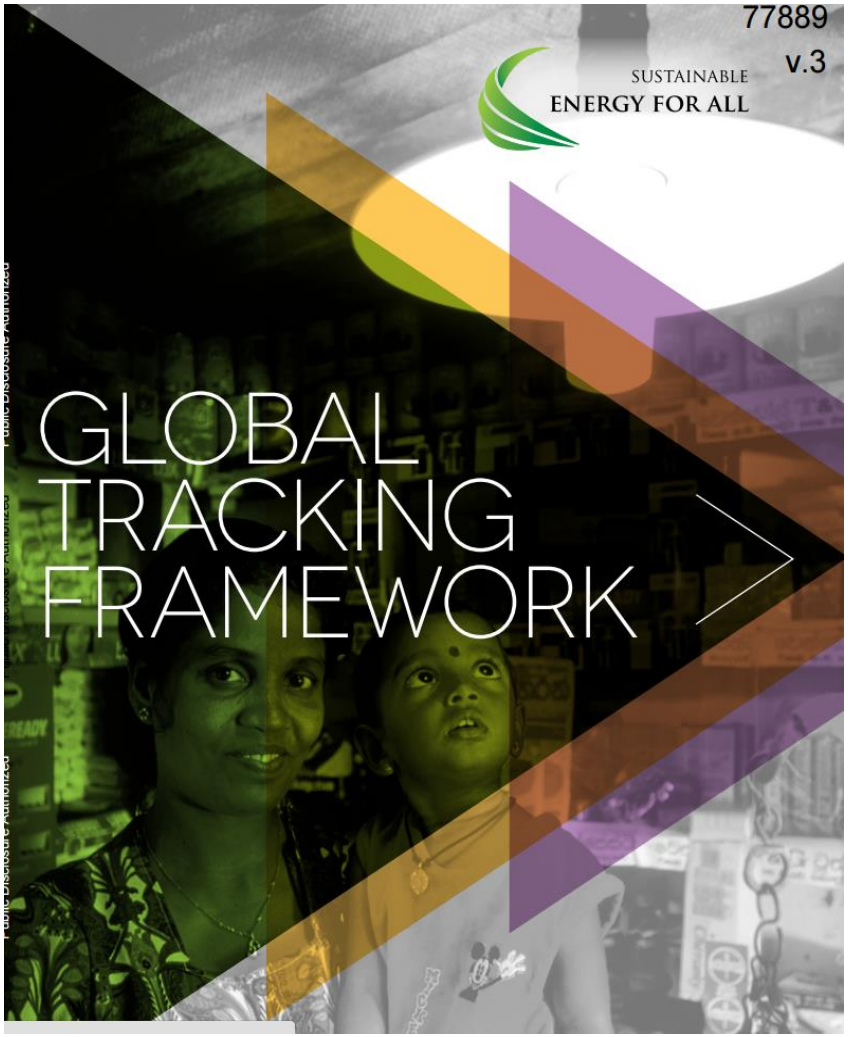
PROGRESS TOWARD

SUSTAINABLE ENERGY

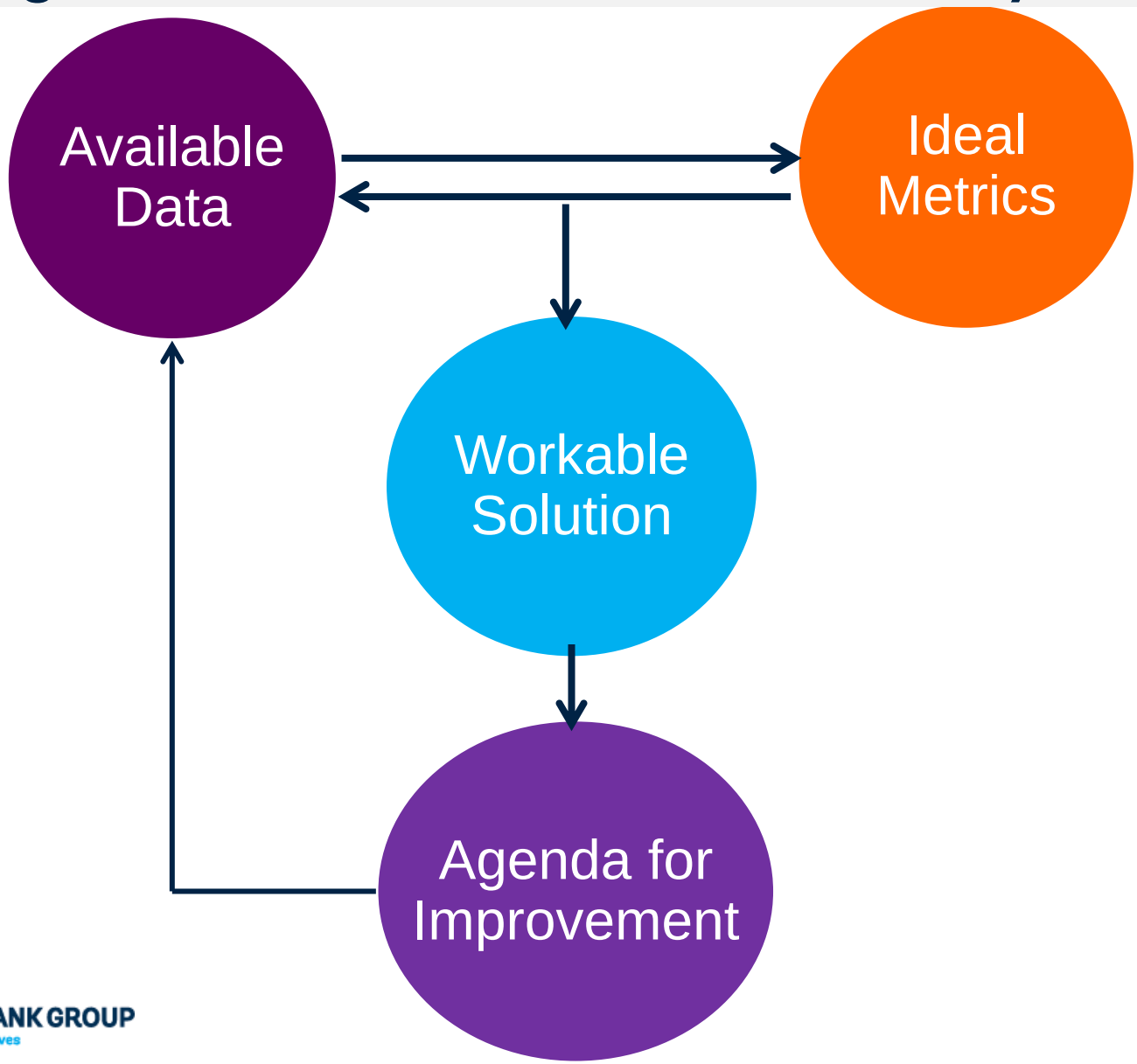
Global Tracking Framework 2015

What is the Global Tracking Framework?

Global Tracking Framework preparing its third edition



Global Tracking Framework takes a pragmatic approach balancing ideal metrics and data availability



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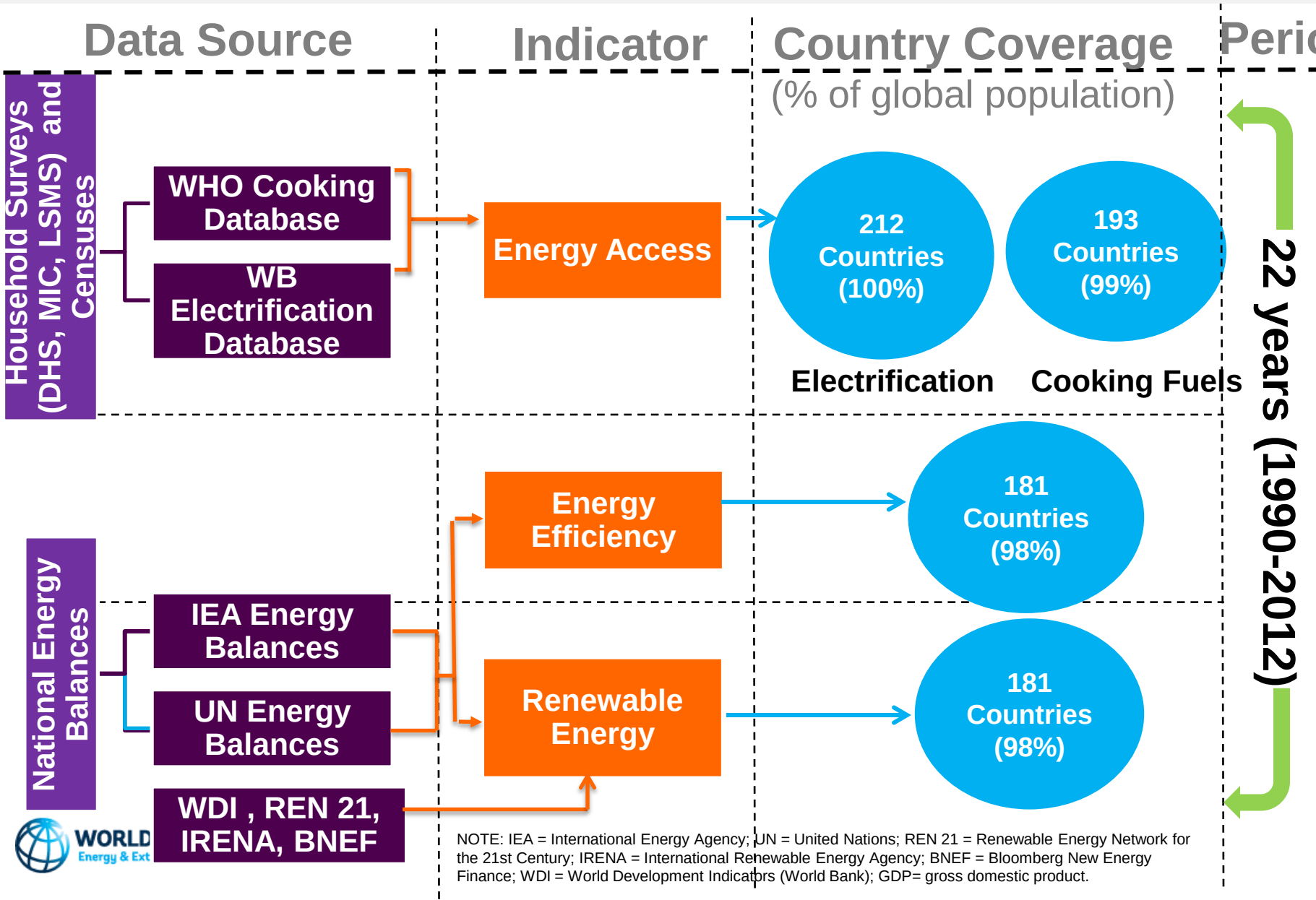
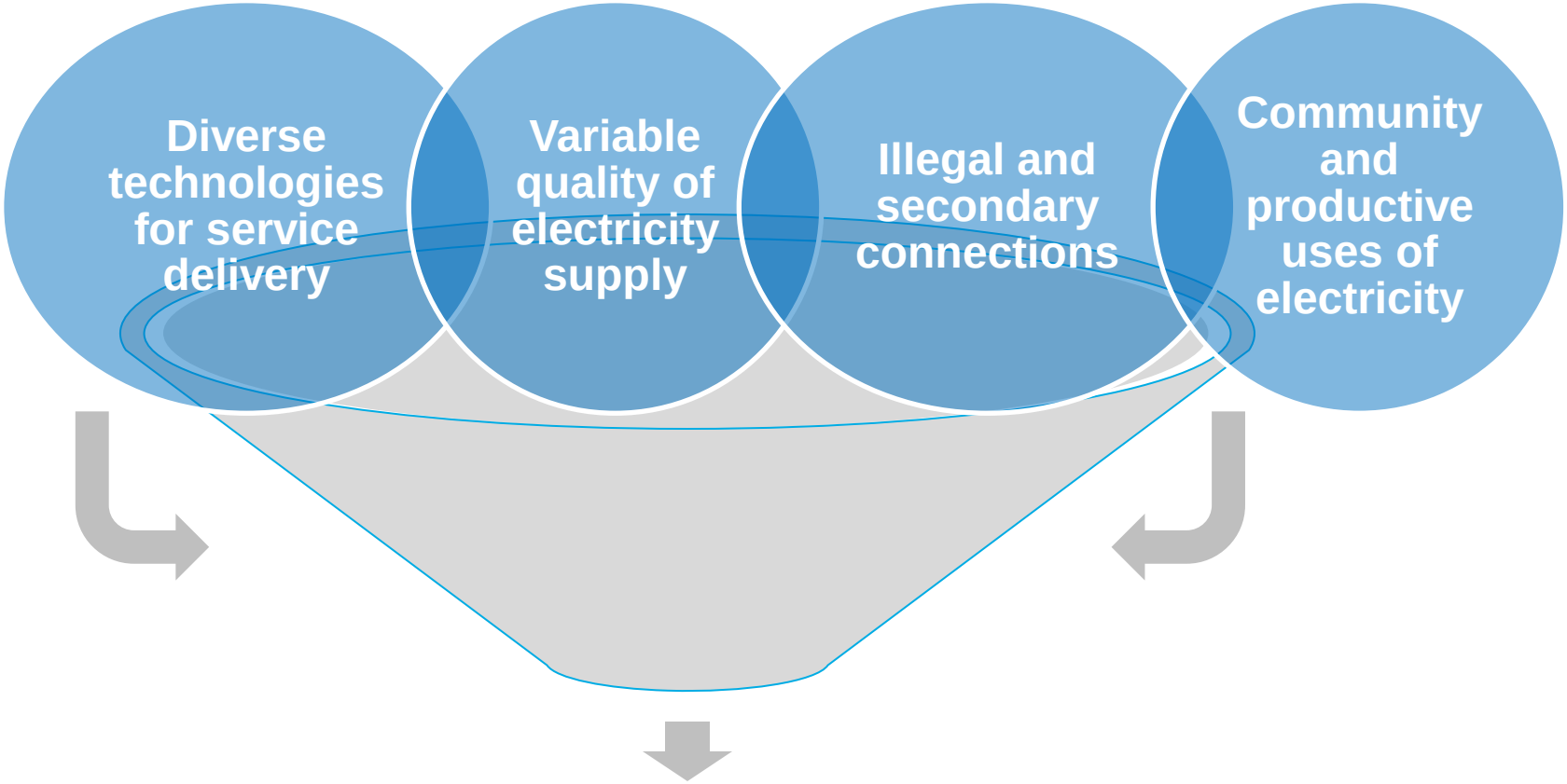
Global Tracking Framework pools and standardizes data produced by national statistical agencies

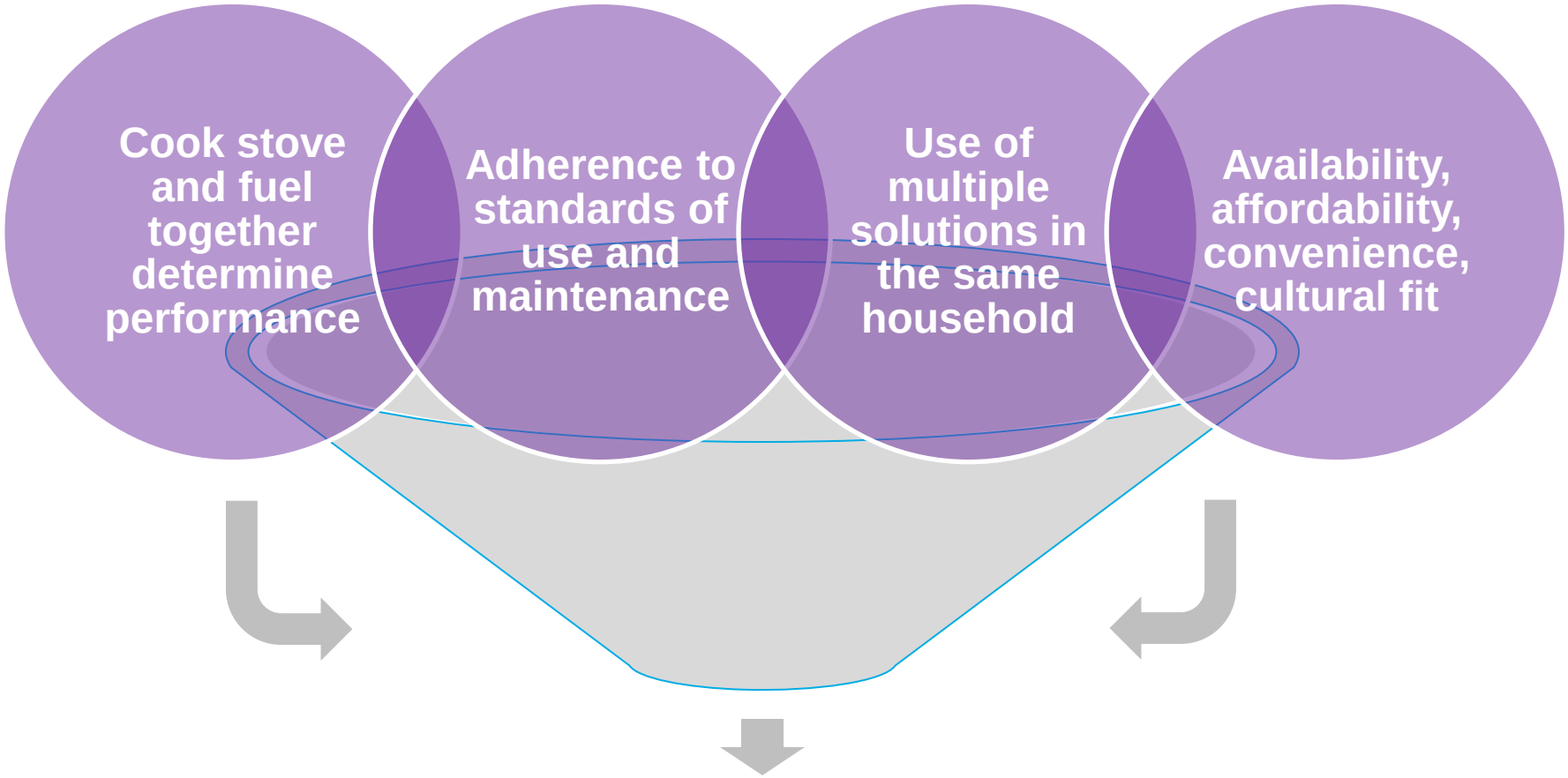


A workable solution for tracking electrification



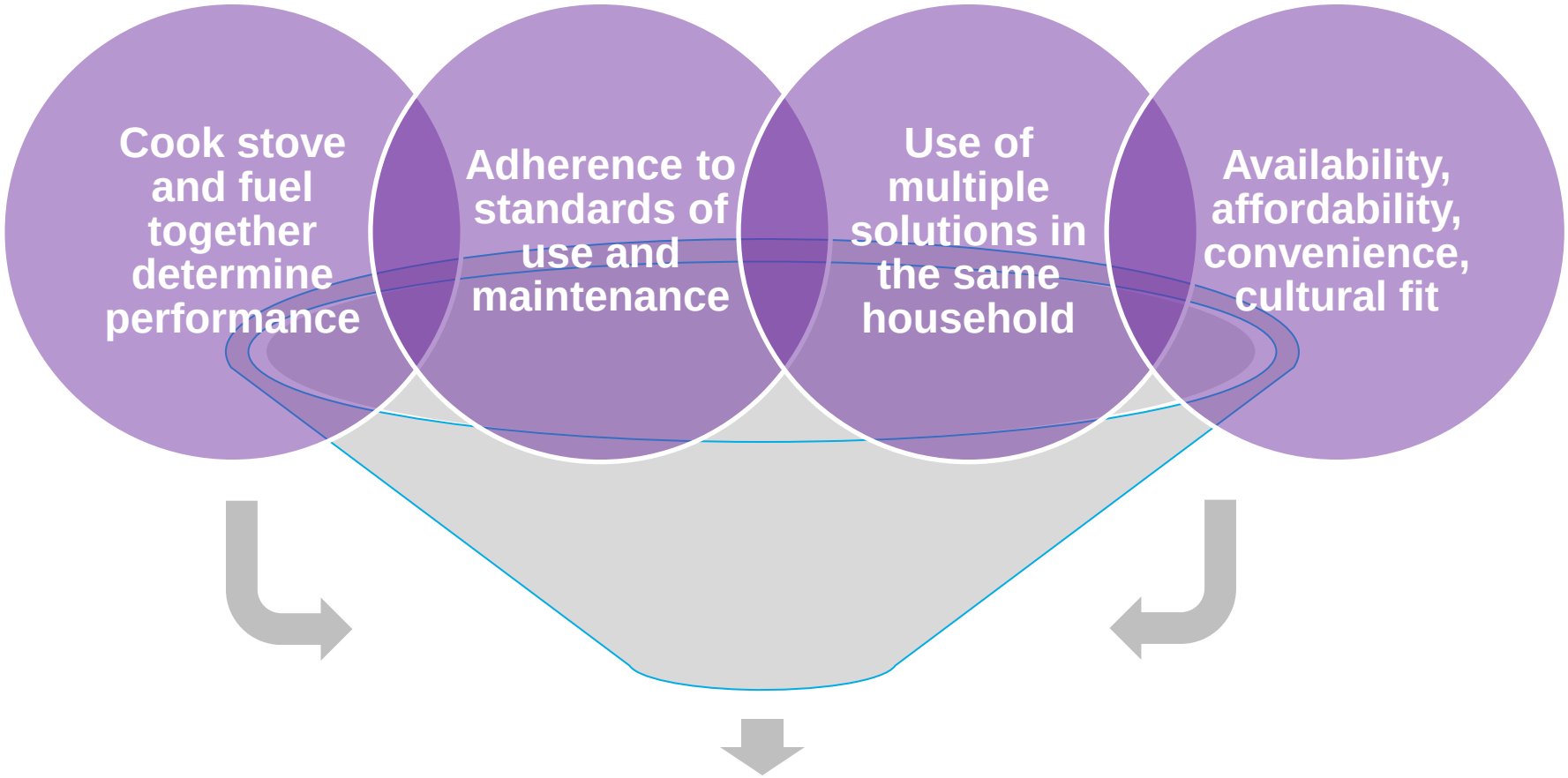
Percentage of population with an electricity connection based on surveys

A workable solution for tracking clean cooking



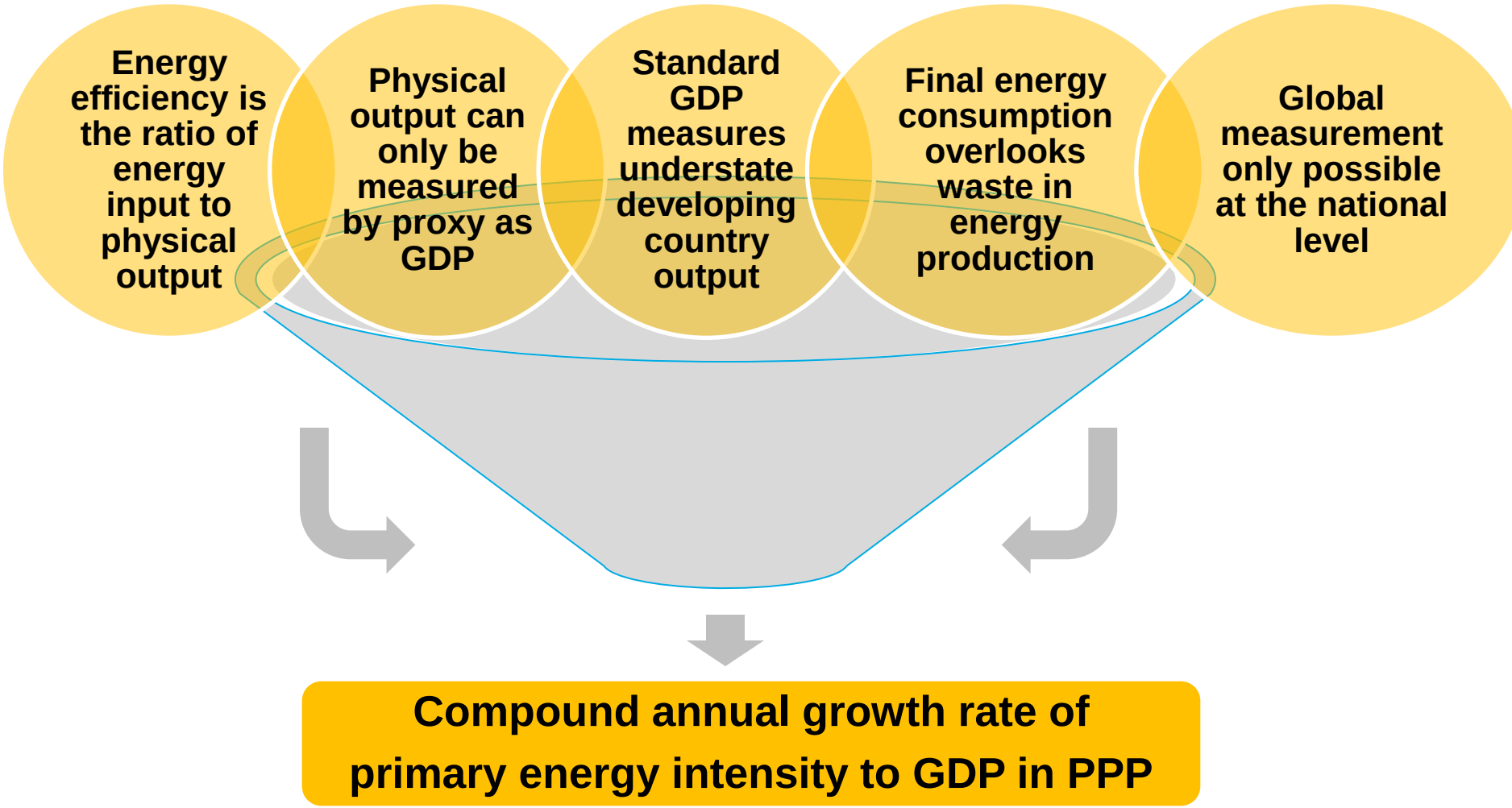
Percentage of population making primary use of non-solid fuels based on surveys

A workable solution for tracking clean cooking

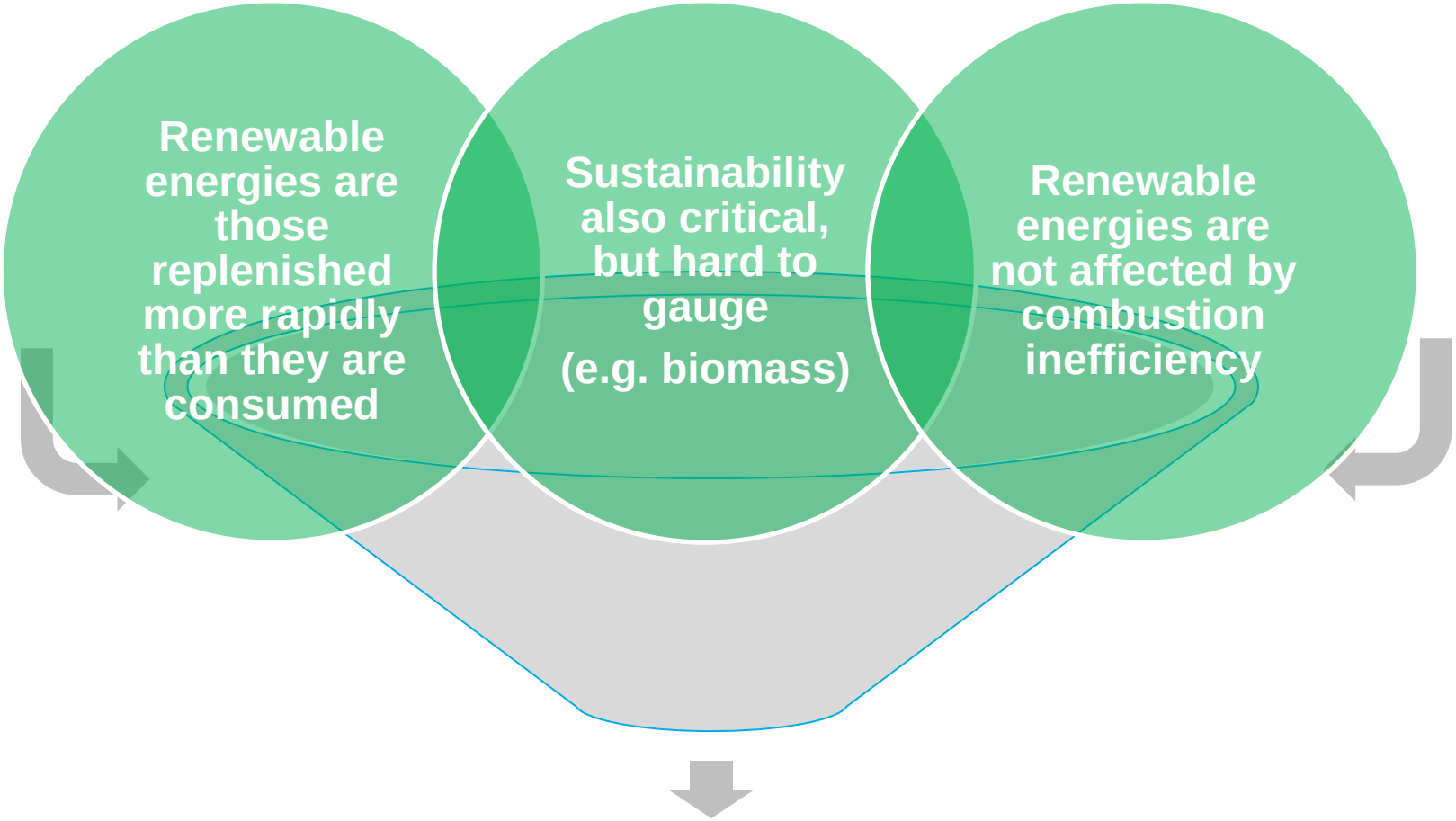


Percentage of population making primary use of clean fuels and technologies

A workable solution for energy efficiency



A workable solution for renewable energy



Percentage of total final energy consumption from renewable sources

Global Tracking Framework 2017 will involve more dialogue with countries around data processing

To build a closer link to countries, the five UN Regional Economic Commissions will join Global Tracking Framework 2017

Proposals are to

- Build in country workshops at regional level
- Produce regional chapters/reports
- Conduct regional dissemination
- Set regional capacity building agendas

What is RISE?

Readiness for Investment in Sustainable Energy

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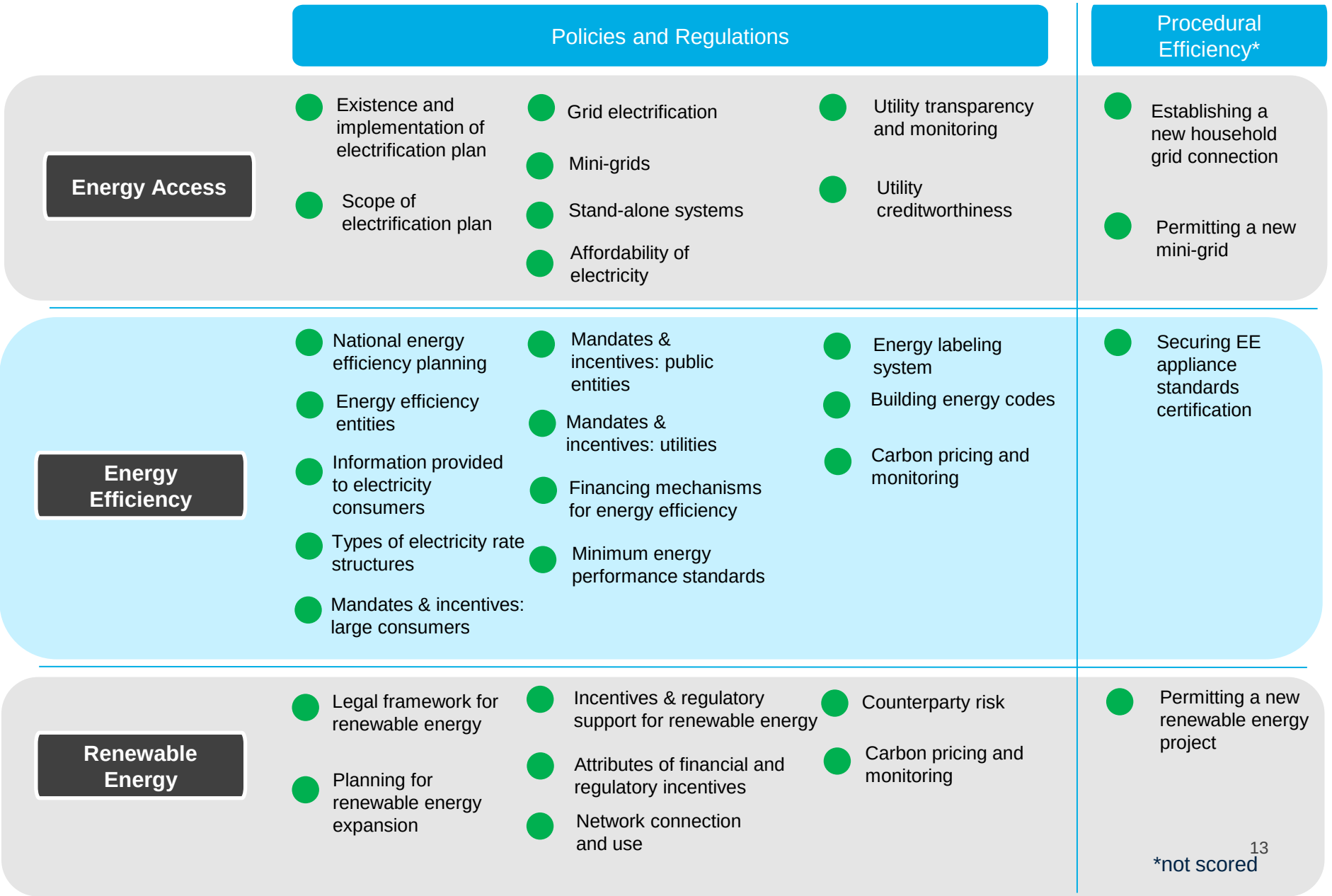
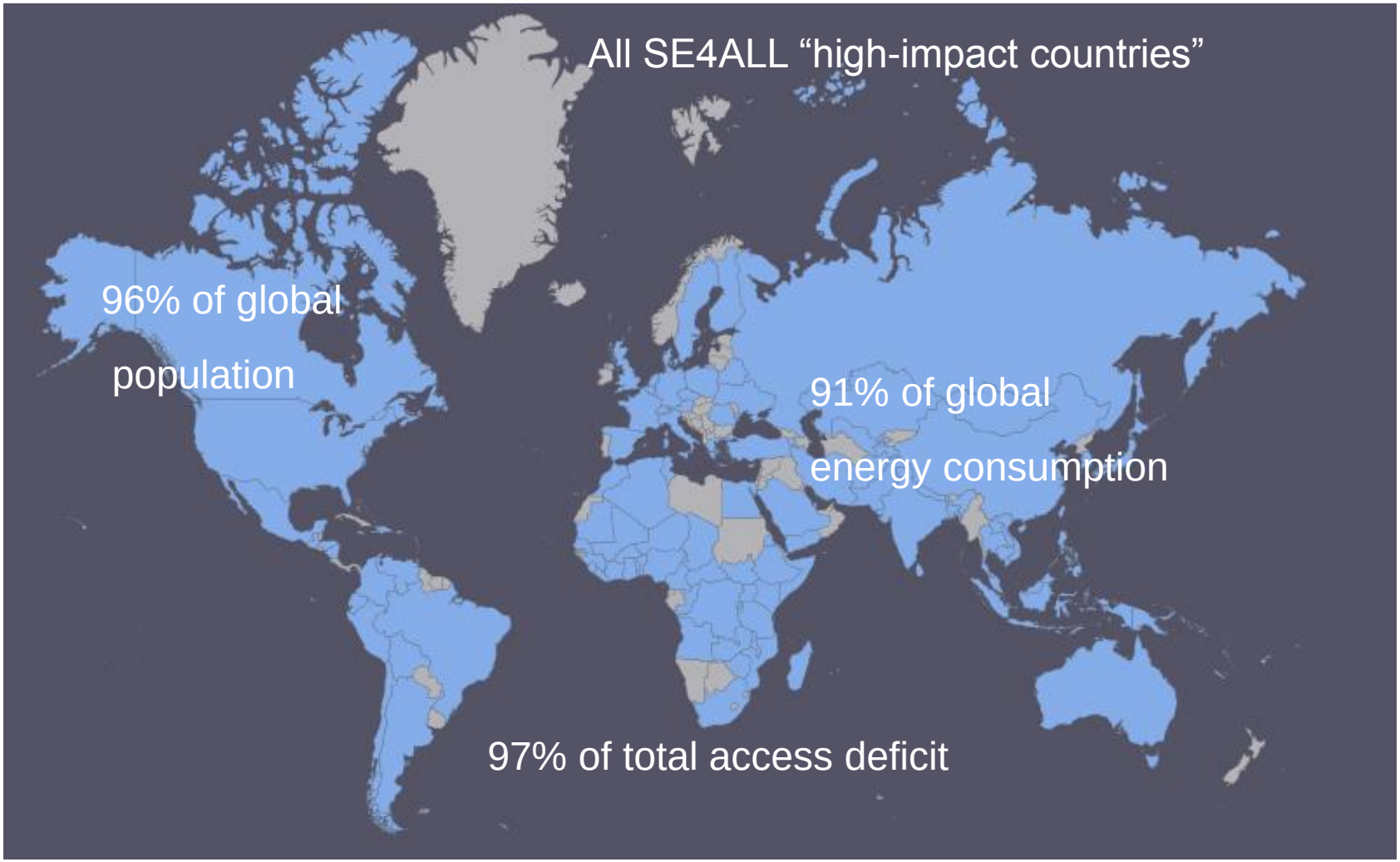
RISE provides a set of 85 good practice policy indicators



*not scored

RISE global rollout just completed in 110 countries



Energy Access Pillar indicators and sub-indicators

Policies and Regulations

- Existence and monitoring of officially approved electrification plan
  - Existence
  - Public availability
  - Regular update
  - Tracking institution
  - Timeframe
- Scope of officially approved electrification plan
  - Service level target
  - Inclusion of off-grid solutions
  - Inclusion of community and productive services
  - Geo-spatial mapping
- Framework for grid electrification
  - Funding support for grid electrification
  - Funding support for consumer connections
  - Standards of performance
- Framework for mini-grids
  - Legal framework for operation
  - Ability to charge cost-reflective tariffs
  - Funding incentives
  - Standards and quality
- Framework for stand-alone systems
  - Existence of national program
  - Funding incentives
  - Standards and quality
- Consumer affordability of electricity
  - Cost of subsistence consumption
  - Policy to support low-volume consumers
- Utility transparency and monitoring
  - Public financial statements
  - Public annual reports
  - Public reliability measurements
  - Usage of outage recording system
- Utility Creditworthiness
  - EBITDA margin
  - Days payable outstanding
  - Debt service coverage ratio
  - Current ratio

Procedural Efficiency

- Establishing a new household grid connection
  - Time, cost and procedures for rural customers
  - Time, cost and procedures for urban customers
- Establishing a new mini-grid facility
  - Time and cost of procedures

RISE score: 8 indicators, 29 sub-indicators, and 59 scored questions

Not scored: 2 indicators and 3 sub-indicators

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Energy Efficiency Pillar indicators and sub-indicators

Policies and Regulations

- National energy efficiency planning
  - Existence of legislation / action plan
  - National targets
  - Sector targets
- Energy Efficiency Entities
  - Functions covered by dedicated entities
- Information provided to electricity consumers
  - Reports on electricity use
  - Quality of information
  - Comparisons with other users
  - Energy saving information
- Types of electricity rate structures
  - Electricity rate structure
  - Demand charges (large customers)
  - Time of use tariffs
- Mandates & incentives: Large consumers
  - Mandates for large consumers
  - Incentives for large consumers
  - Performance recognition
- Mandates & incentives: Public entities
  - Obligations for public buildings
  - Obligations for other public facilities
  - Public procurement of energy efficient products
  - Ability to retain energy savings
- Mandates & incentives: Utilities
  - Mandates for utilities
  - Cost recovery mechanisms for utilities
- Financing mechanisms for energy efficiency
  - Type of mechanism in each sector
- Minimum energy performance standards
  - Range of product types covered
  - Verification and penalties for non-compliance
- Energy labeling system
  - Range of product types covered
  - Mandatory vs voluntary system
- Building energy codes
  - New residential / commercial buildings
  - Renovated buildings
  - Compliance system
  - Building energy information
  - Building EE certification & labelling
- Carbon pricing and monitoring
  - Carbon pricing mechanism
  - Monitoring, reporting and verification (MRV) system

RISE score: 12 indicator and 31 sub-indicator

Procedural Efficiency

- Time and cost of securing EE appliance standards certification
  - Time and cost of procedures for a refrigerator

Not scored: 1 indicator and 1 sub-indicator

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Renewable Energy Pillar indicators and sub-indicators

Policies and Regulations

- **Legal framework for renewable energy**
  - Primary legislation
  - Legal private ownership of generation
- **Planning for renewable energy expansion**
  - Renewable energy targets and plans
  - Renewable energy in generation planning
  - Renewable energy in transmission planning
  - Resource mapping and siting
- **Incentives & regulatory support**
  - Financial and regulatory incentives
  - Grid access and dispatch
- **Attributes of financial and regulatory incentives**
  - Predictability and efficiency (policy-neutral)
  - Predictability and efficiency (policy-specific)
  - Long-term sustainability
- **Network connection and use**
  - Connection cost allocation
  - Network usage and pricing
  - Renewable grid integration
- **Counterparty Risk**
  - Payment risk reduction
  - Utility creditworthiness
  - Utility transparency and monitoring
- **Carbon pricing and monitoring**
  - Carbon pricing mechanism
  - Monitoring, reporting and verification (MRV) system

Procedural Efficiency

- **Time and cost of permitting a new renewable energy project**
  - Time and number of procedures

RISE score: 7 indicators and 18 sub-indicators

Not scored: 1 indicator and 1 sub-indicator

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