I. Introduction

“The ability of policy makers to take advantage of various data sources, including digital data, can help the government to make decisions faster and more accurately. High-quality data will provide the right and accurate information for policy makers to design, monitor and evaluate policies for national planning and sustainable development.”

Data are considered the lifeblood of decision and policy-making, data are also the new material for accountability. Without high quality data providing the right information on the right things at the right
time, design, monitoring and evaluative effective
decisions and policies become almost impossible.

New technologies are leading to an exponential
increase in the volume and type of data available
creating the unprecedented possibilities for inform-
ing and transforming society and protecting the en-
vironment. Governments and companies, resources
and citizen groups are in ferment of experimenta-
tion, innovation and adoption to the new world of
data, that is a world which data are bigger, faster
and more detailed than ever before. This is the Data
Revolution.

Some are already living in this new world. But to
many people, organizations and government agen-
cies, especially in developing countries as in Egypt,
are still excluded because of lack of resources,
knowledge, capacity or opportunity. There are huge
and growing inequalities in access to data and in-
formation and in the ability to use it.

Data needs improving continually. Despite consid-
erable progress in recent years, whole groups of
people are not being counted and important aspects
of people’s lives and environmental conditions are
still not measured. For people, this can lead to the
denial of basic rights, and for the planet to contin-
ued environmental conditions degradation. Too of-
ten, existed data remain unused or not at all, not
well documented and harmonized, or not available
at the level of detail needed for national decision
and policy-making.

As the world embarks on an ambitious projects to
meet new sustainable development goal (NSDGs)
there is an urgent need to mobilize the data revolu-
tion for all people and the national planning as
well as sustainable development in order to moni-
tor progress, hold government accountable and fos-
ter sustainable development policies. More diverse
integrated, timely, and trustworthy information can
lead to better decision- and policy-making, and real
time citizen feedback. These in turn, enables indi-
viduals, public and private sectors to make choices,
that are good for them and for the world they live in.

Therefore, this 26th Scientific Conference sets out
the main opportunities and risks presented by the
data revolution for national planning and sustain-
able development policy making. Sizing the existing
opportunities and mitigating the probable risks re-
quire active choices, especially by the government.
Without immediate action, gaps between developed
and developing countries, between information-rich
and information-poor people, and between the pri-
ivate and public sectors will widen, and risks harm
and abuses of human rights will grow.

II. Conference Objectives:
The conference is aiming to provide a medium to
discuss the opportunities and challenges of using
new data sources for policy makers, and to test
technically sound and politically attainable solu-
tions to inform policy decisions through data inno-
vation. Commonly what is called ‘big data’ due to
its quantity, diversity and speed of data collection, it
opens endless new opportunities for policy makers,
ranging from engaging citizens in collecting and an-
alyzing data to gaining new insights into our com-
p lex and evolving national planning and sustain-
able development for decision and policy-making.

III. Conference Themes:
This conference is to discuss topics such as:
- Data revolution evolution and concepts
- Data Revolution for National Planning and Sus-
tainable Development
- Data Revolution and Economic Analysis
- Big Data Analytics for Inclusive National Growth
- Data-Driven Era and Modern IT Infrastructure
- Data Ecosystems for Sustainable Development
- Data Lake Adoption for National Planning
- Data Roadmap for National Planning and Sustain-
able Development
- Emerging Manpower in Data Transforming the
Work
- Data Revolution and the Emergence of New Skills
for Future
- Role of National Statistics in the Data revolution
- Etc.