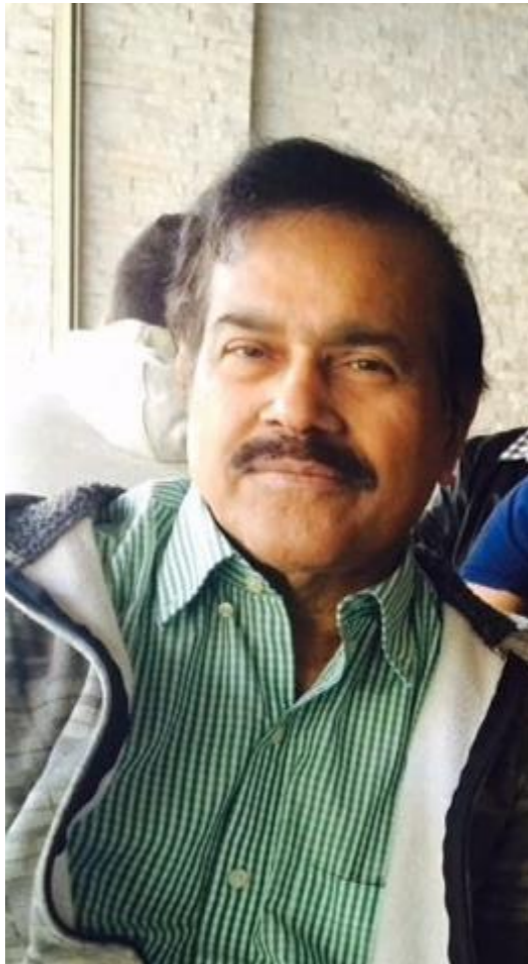


Nitya Karmakar

PhD, School of
Business (Higher
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- Nitya earned his BSc (Hons), L.L.B, MSc and PhD. degrees in India. He obtained his Master of Computing-Information Technology (M.Comp-IT) from the University of Western Sydney, Nepean; Graduate Diploma in Adult Education (GradDipAdultEd), Master of Science in Computing (M.Sc) and Master of Business Administration (MBA) from the University of Technology, Sydney, Australia.
- Dr. Karmakar had been visiting Professor of Information Systems in the Joseph L. Rotman School of Management, University of Toronto, Canada and at the International College of Business and Technology Colombo. He had worked as post-doctoral research fellow at the University of Kiel, Germany, Deutsches Elektronen Synchrotron, DESY, University of Hamburg, Germany, European Council of Nuclear Research (CERN), Geneva, Switzerland, Argonne National Laboratory, Illinois, U.S.A and the Abdus Salam International Centre for Theoretical Physics (ICTP)...

Role of ICT in Helping Sustainable Development and Conservation During COVID-19 Pandemic



- Introducing Sustainability and Conservation
- Role of ICT to balance the both
- Disruptive ICT World and COVID-19
- Unprecedented Challenges due to Global Warming
- Sustainability and Digital Business
- Status of Conservation in Australia
- Concluding Remarks



Sustainability vs conservation

Generally, **conservation** is preserving our biological and ecological resources while sustainability focuses on protecting and preserving the natural resources as well as environment for the benefit of future generations.

Sustainability is a societal goal that broadly aims for humans to safely co-exist on planet Earth over a long time.

The idea of sustainability is often broken down into three pillars: **economic**, **environmental**, and **social**—also known informally as **profits**, **planet**, and **people**.

Let us watch United Nations, 17 Sustainable Development Goals(SDGs)
<https://www.youtube.com/watch?v=0XTBYMfZyrM> (duration 1:24).

Role of ICT in Helping Sustainable Development During COVID-19 Pandemic

ICT has impacted profits, people, and planet and how companies are leveraging technology

Profits: “Green IT” Trumps Greenbacks

Sustainable profitability for a business means that an organization provides a service or product that is both profitable and environmentally friendly.

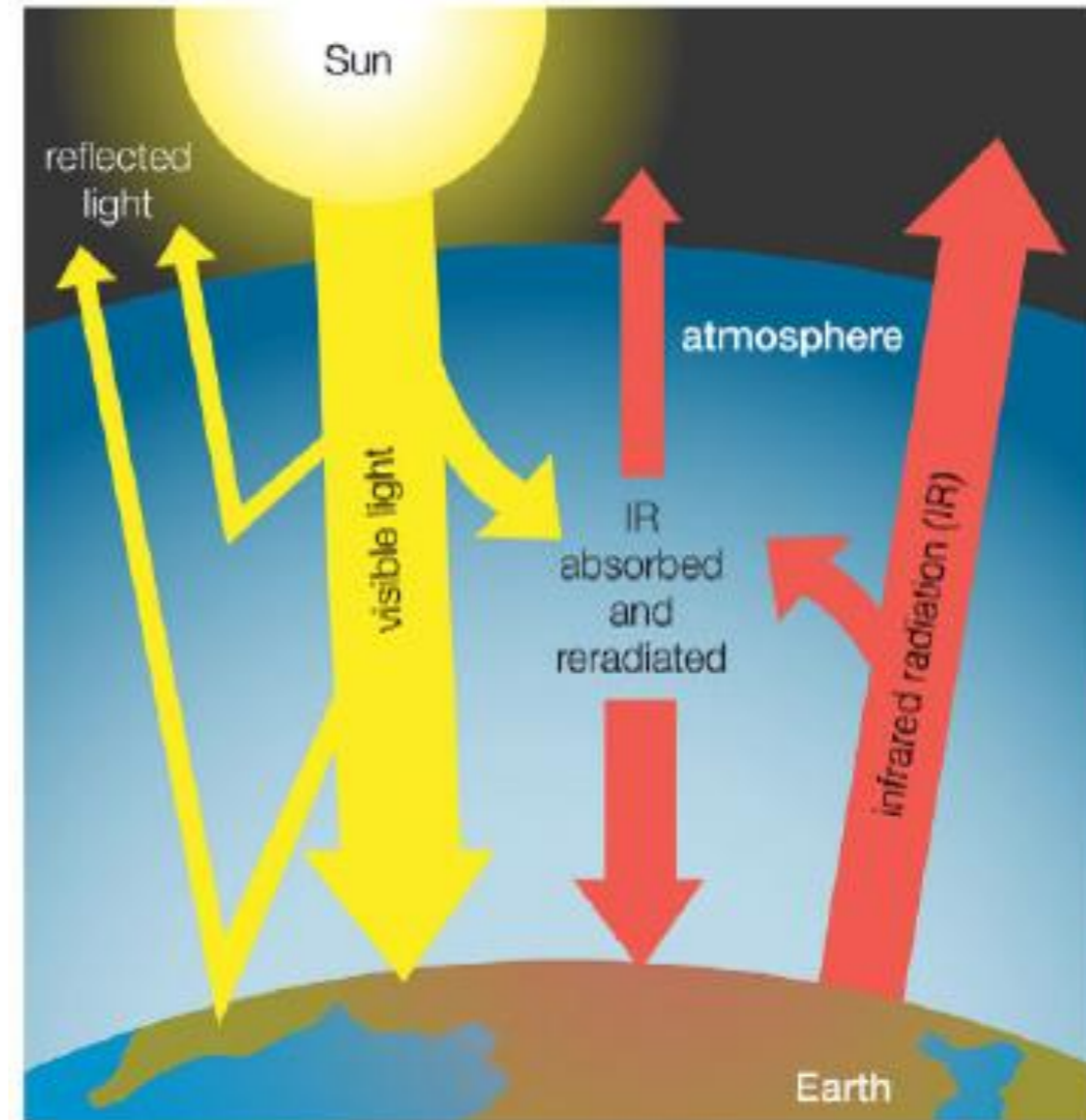
People: Preserving Quality of Life

In the age of COVID-19 people are using technology to stay connected to others. The six elements of quality of life that information technology impacts in positive and negative ways are

-- Communications -- Relationships -- Work–life balance --
Healthcare -- Education -- Travel

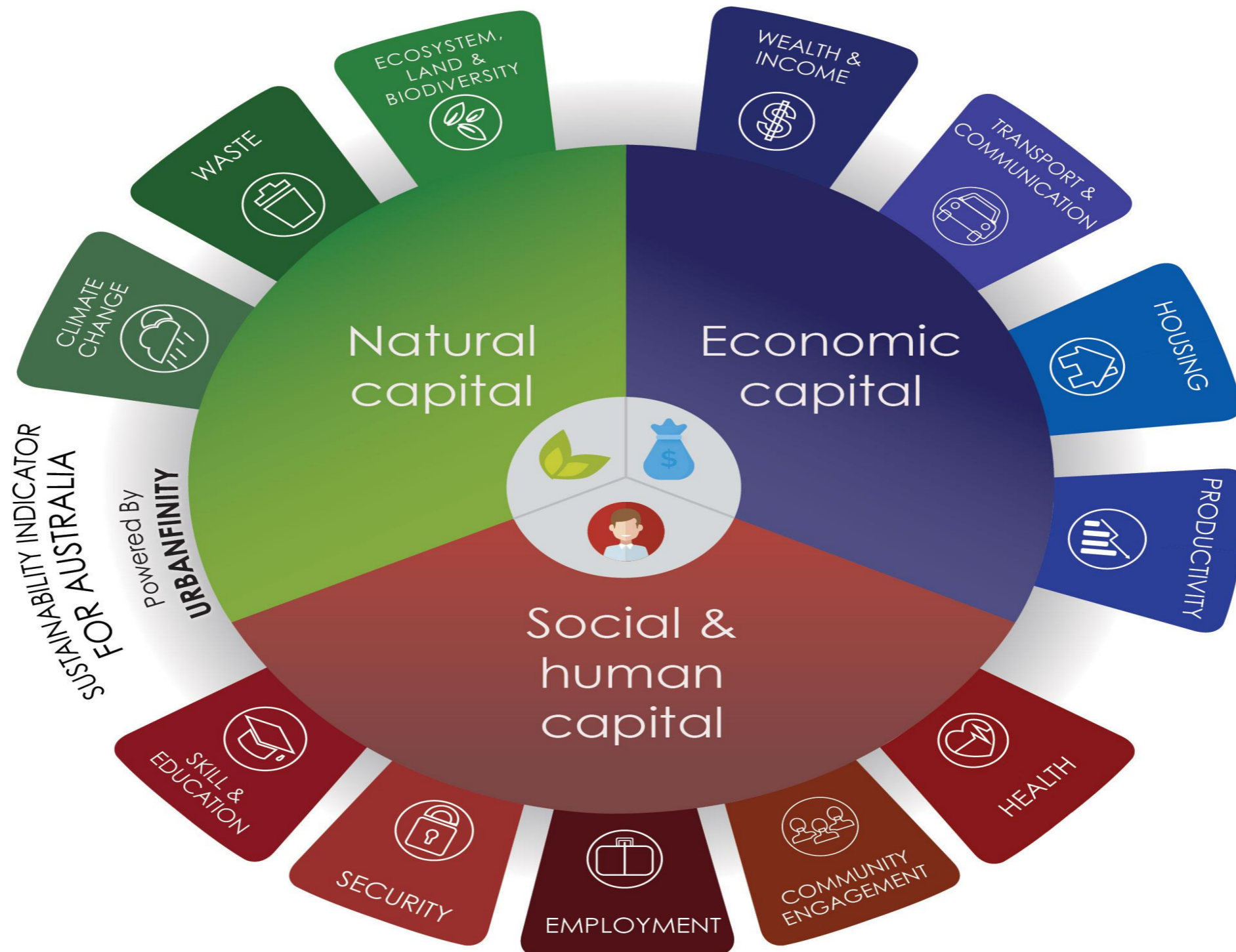
- **Global warming** refers to the upward trend in Global Mean Temperature (GMT).
- This is driven by the **greenhouse effect**, which is the holding of heat within the earth's atmosphere.
- Carbon emissions directly contribute to the **greenhouse effect**.

Let us watch BBC News, "Can carbon offsetting help the planet? - BBC "
<https://www.youtube.com/watch?v=b1xHUwszumw> (duration 3:01).

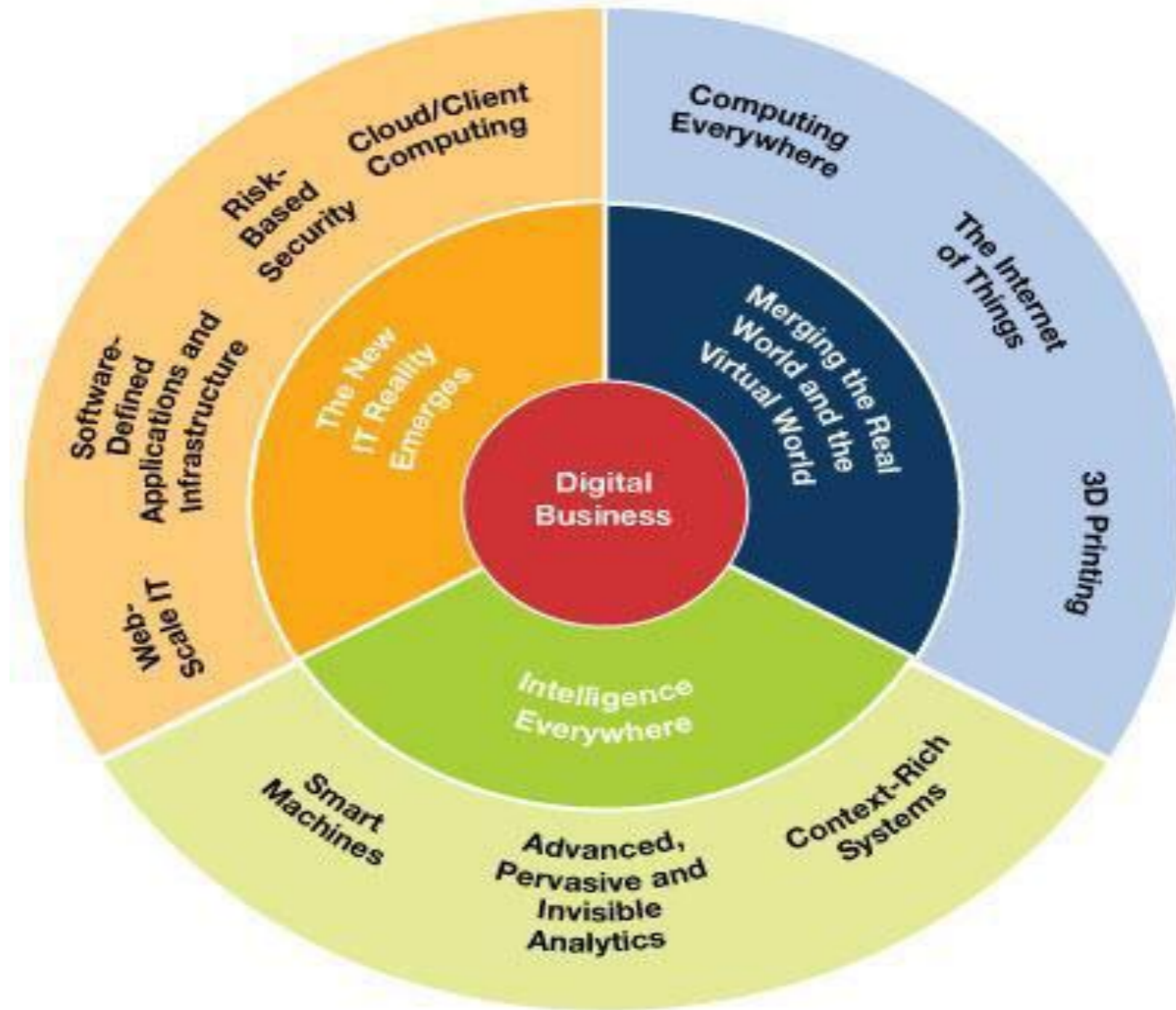


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Sustainability Efforts in Australia



Effect of Digitation



Bold Action Plan for conservation in Australia



<https://twitter.com/i/status/1567453707008180225>

**-ICT plays a big
role to balance
Conservation &
Sustainability**



Concluding Remarks

- Human activities are putting nature in more trouble now than at any other time in human history, according to a 2019 UN report on biodiversity.
- ICT has a big role to play in balancing Conservation and Sustainability

The Earth will not continue to offer its harvest, except with faithful stewardship. We cannot say we love the land and then take steps to destroy it for use by future generations.
~ John Paul II