

**RESEARCH & INNOVATION
UNIMAS NICHE AREAS**



RESEARCH PARTNERSHIP & COLLABORATION 2018

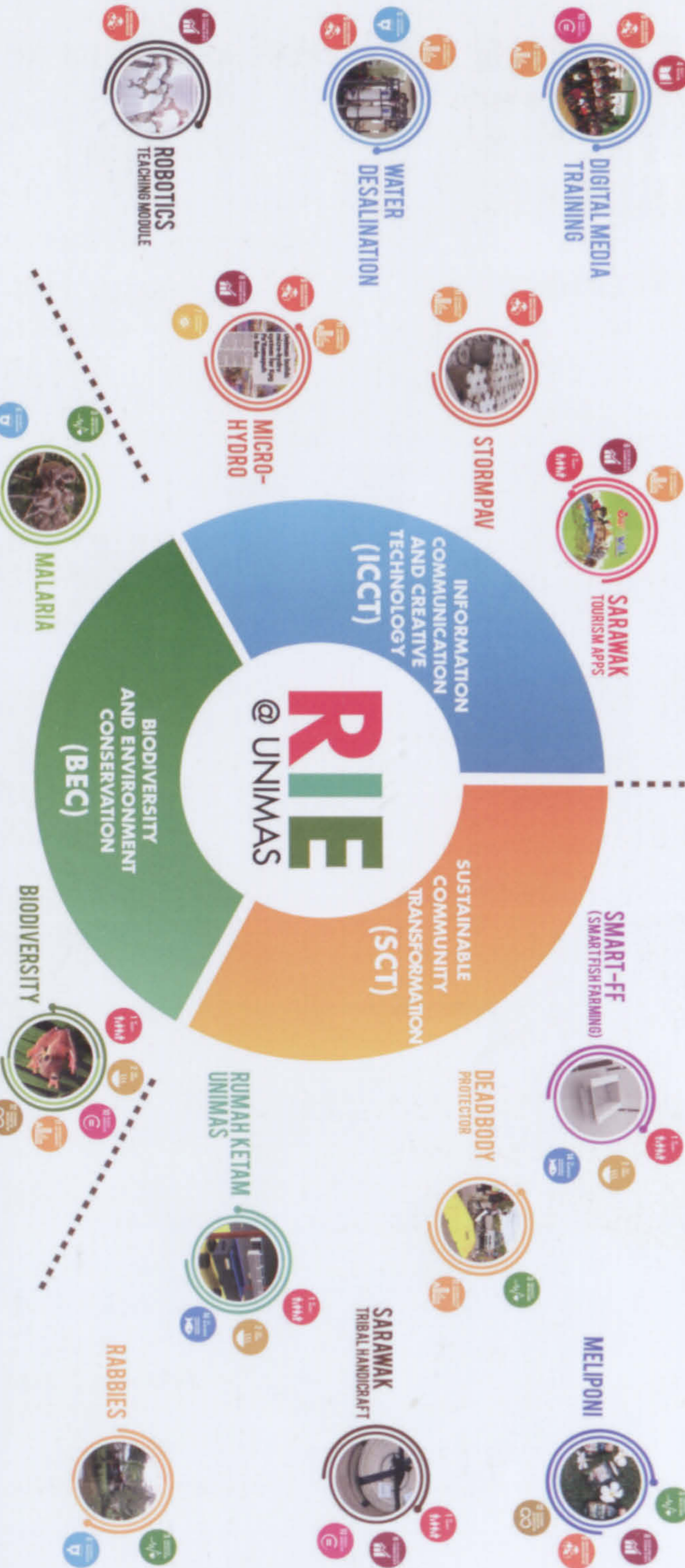


International Collaborators



- 1 Cornell University, New York **USA**
- 2 University of California, Davis **USA**
- 3 Emory University **USA**
- 4 University of Denver **USA**
- 5 London School of Hygiene and Tropical Medicine **UK**
- 6 University of Southampton **UK**
- 7 Coventry University **UK**
- 8 Ulster University **UK**
- 9 International Foundation for Science **Sweden**
- 10 University of Southern Denmark **Denmark**
- 11 Talinn University of Technology **Estonia**
- 12 University of Sannio **Italy**
- 13 Menzies School of Health Research **Australia**
- 14 Polytechnic of Namibia **Namibia**
- 15 Shibaura Institute of Technology **Japan**
- 16 Eijkman Institute for Molecular Biology **Indonesia**

RESEARCH INNOVATION & ENTERPRISE



Biodiversity and Environmental Conservation



Recognising the need to balance the species, their natural habitat and human development, research in this area focuses on the science and engineering applications on the ecosystems of both terrestrial and aquatic environments. Working in collaboration with local communities, government and non-government agencies, our researchers attempt to study the entire environment of Sarawak from its coastal waters to its highlands, from the smallest creatures that threaten human life to the largest endangered mammal. Our purpose is to highlight the magnitude of ecological system and its impacts on our lives. With that in mind, we strive to preserve the natural environment and our biodiversity.

Information Communication and Creative Technology



Research on information communication and creative technology aims to strengthen and rationalise efforts in engineering, information and communication technologies. Our research in this area endeavours to apply the scientific theories and mathematical techniques to design and create technological solutions in order to enhance our existence. On that note, we attempt to impart our knowledge on technical, practical and creative approaches of engineering, information and communication technologies to bridge the technological divide in various locations which are extremely remote, in areas that neither have power nor telecommunication connectivity. Our objective is to assist society in attaining a better quality of life and achieving socio-economic goals.

Sustainable Community Transformation



This area of research is dedicated in harmonising arts and sciences, from humanities to healthcare in our attempts to sustain and transform the livelihood of our society. Our researchers endeavour to collaborate through the quadruple helix relationship of the government, university, industry and community as we attempt to enhance the sustainable economic development of our community. Our objective is to build and maintain healthy, regenerative societies for the future in order to sustain all living things for the consumption of our future generations. Ultimately, our goal is to transform and sustain the community through our research and innovation ecosystem.

EXCELLENCE IN RESEARCH 2018



COMMERCIALISATION (8 research products)

RM 921,600

INDEXED PAPERS

621

INTELLECTUAL PROPERTIES

79

RESEARCH GRANT HIGHLIGHTS 2018

UNIMAS
UNIVERSITI MALAYSIA SARAWAK

BIODIVERSITY



SAGO



NEWTON-UNGKU OMAR



NATIONAL GEOGRAPHIC



SMALLHOLDER FARMING



ECO-FARMING



DENGUE



MALARIA



DIGITAL SARAWAK



NATIONAL

INFORMATION COMMUNICATION AND CREATIVE TECHNOLOGY (ICCT)

MASSIVE PUBLIC EDUCATION



INTERNATIONAL