

INTRODUCTION

OBJECTIVE PRESENTATION

To share capability space technology with focus on remote sensing and collaborative efforts by Malaysian Space Agency (MYSA) with users/stake holders utilised satellite images to produce land cover/land use information



PRESENTATION OUTLINE

THE USED OF SPACE TECHNOLOGY



Introduction

Space based technology focus on earth resource observation system – remote sensing

Remote sensing capability

Characteristics, availability and specification of satellite imageries

Way Forward

Contribution MOSTI through
MYSA to SEEA promoting
technology and utilizing expertise

Analysis and Validity

Example land use /land cover mapping based on satellite imageries in collaboration with users/stake holders





REMOTE SENSING TECHNOLOGY CONCEPT





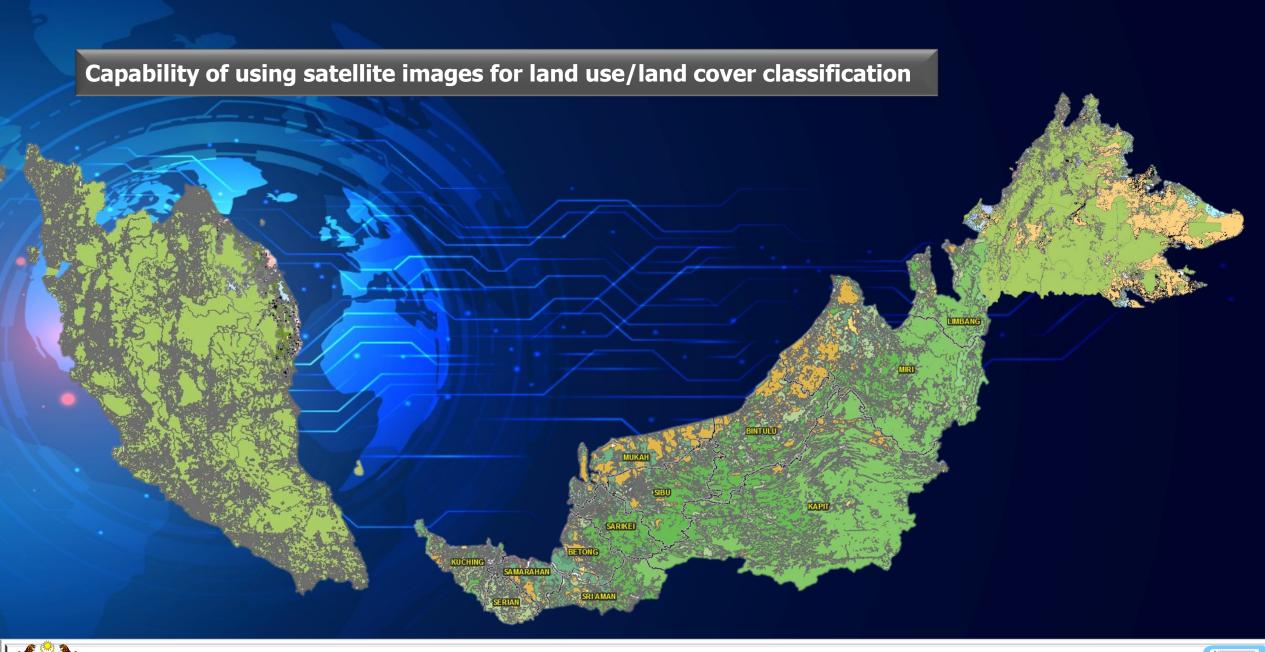
ADVANTAGES OF SPACE TECHNOLOGY DIGITAL **FORMAT** COST REPETITIVE SAVING COVERAGE 05 LARGE AREA TIME COVERAGE **SAVING**



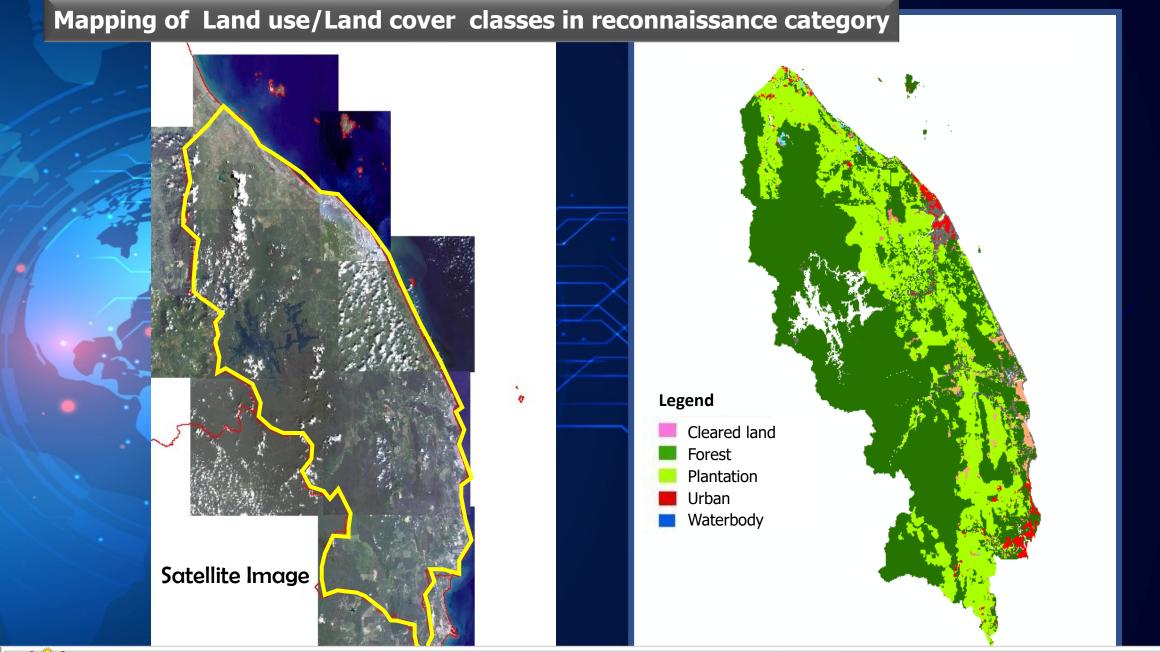
Mapping Scale vs Resolution

4	Mapping			Remote Sensing			User's Application Level
	Category	Thematic	Standard	Class	Resolution (m)	Satelllite	
	01 Exploratory	1: 1,000,000	-	Very coarse	> 100	MODIS, AVHRR	Country
	02 Reconnaissance	1: 100,000 – 500,000	1:250,000	Coarse	50 -100	Resourcesat – AWiFS	State
	03 Semi-detailed	1:25,000 - 1:100,000	1:50,000	Medium	10 - 50	LANDSAT, Aster, SPOT	District
	04 Detailed	1:10,000 - 1:25,000	1:25,00	Fine	5 - 10	Worldview, Quickbird, SPOT	Sub-district, Mukim,
	05 Intensive	1:10,000 – 1:5,000 or more	1:5,000	Very Fine	< 5	IKONOS, Pleiades, SPOT 6/7	Local Authority, Village, farm, etc



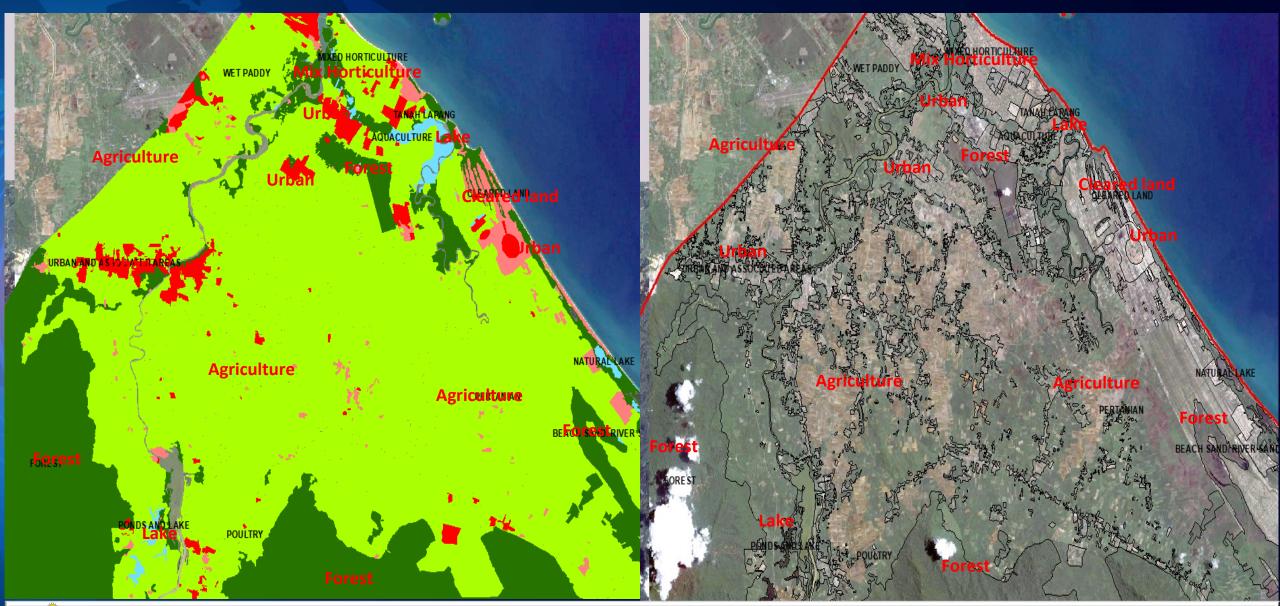








Mapping of Land use/Land cover classes in semi-detailed category





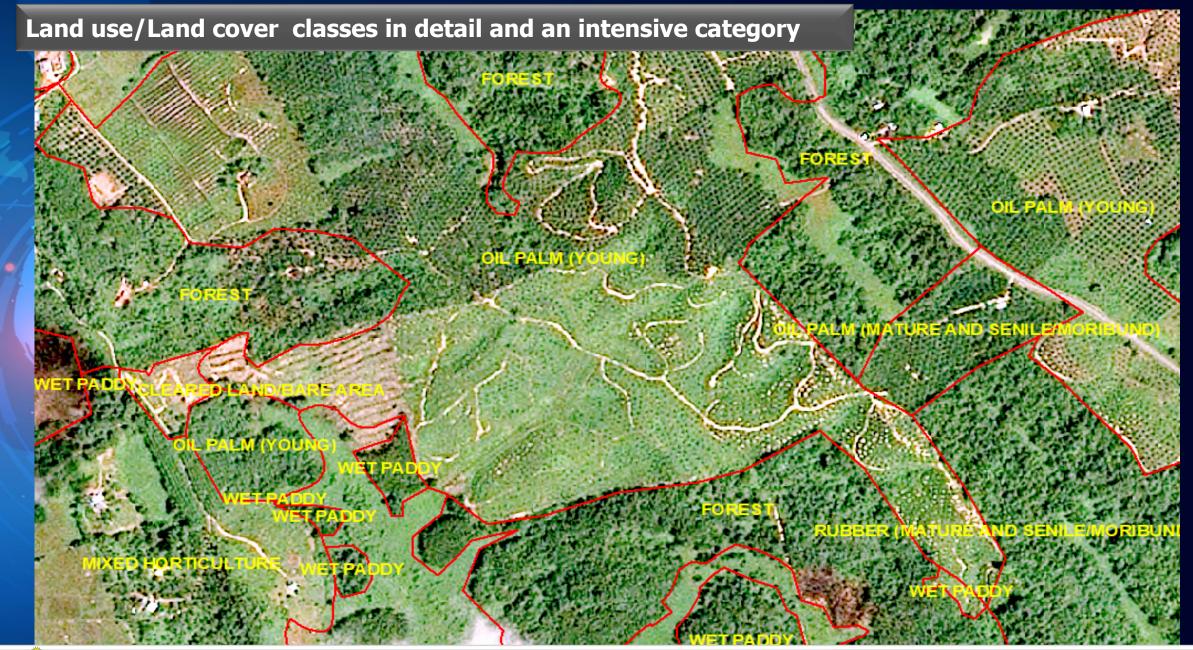
Land use/Land cover classes in detail and an intensive category





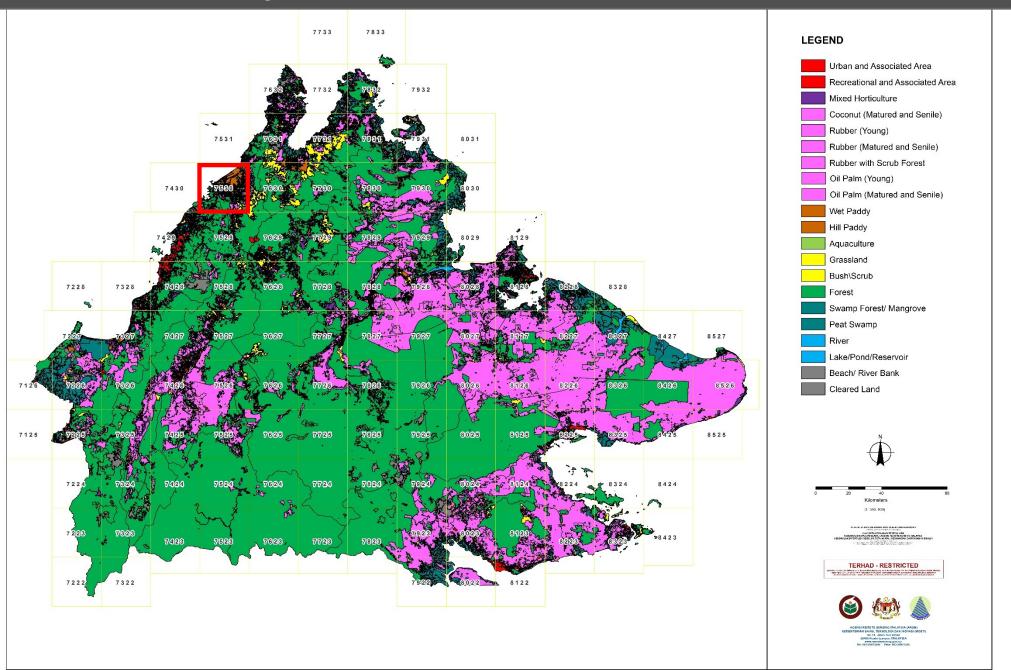




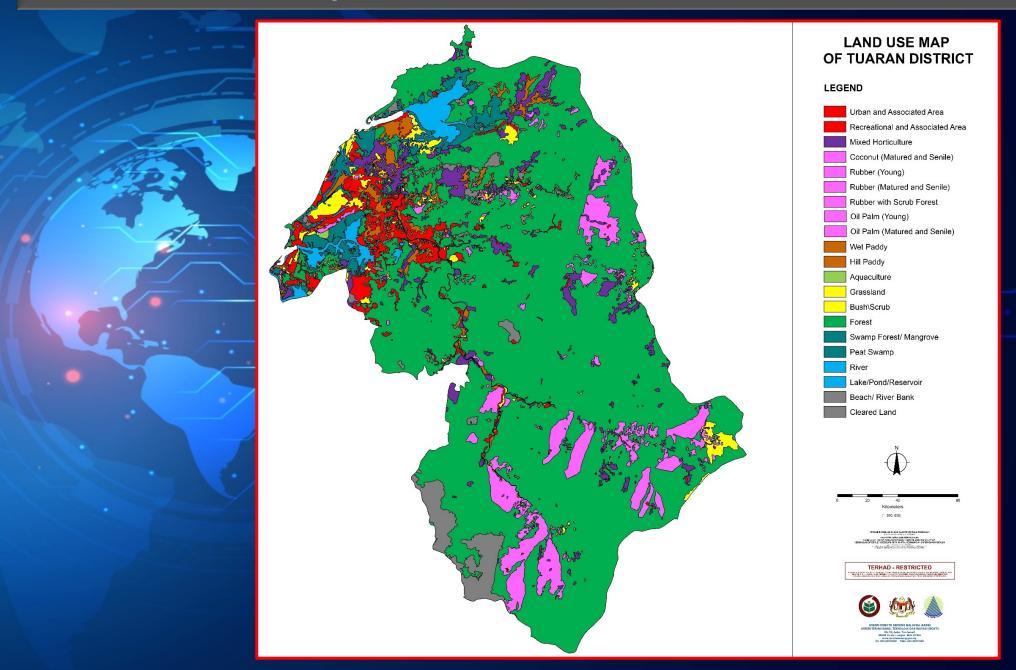


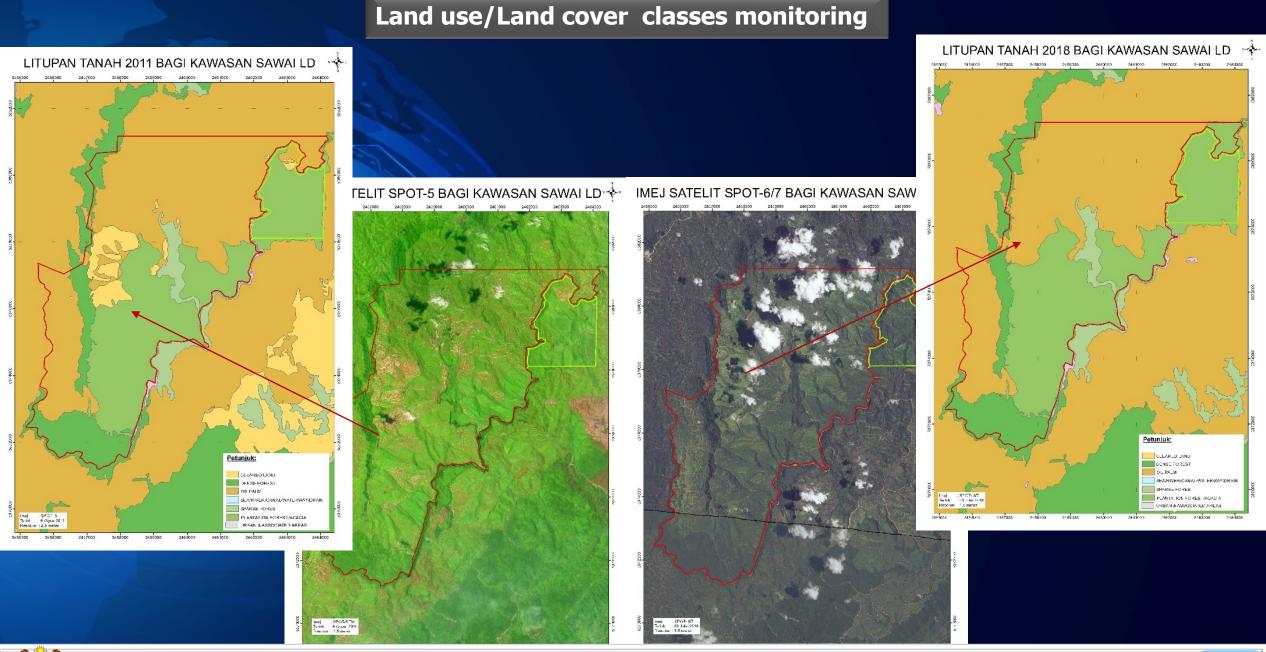


Land use/Land cover map

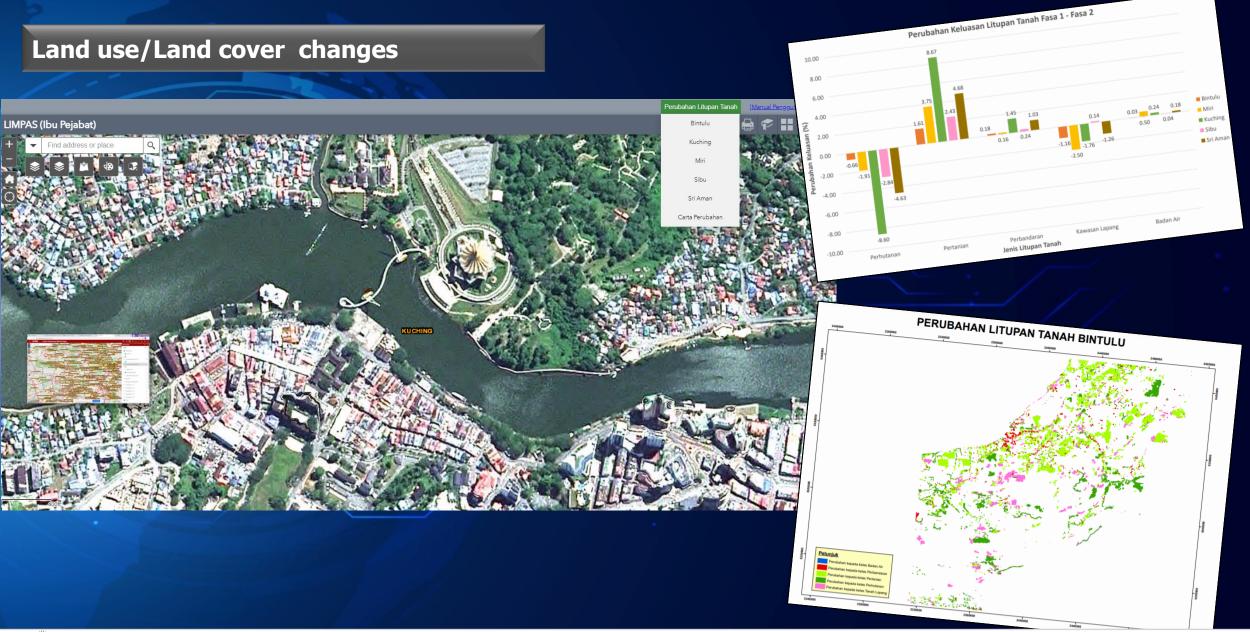


Land use/Land cover map











WAY FORWARD

OPTIMIZING THE USE OF SPACE TECHNOLOGY THROUGH THE SERVICES THAT CAN BE OFFERED BY MOSTI VIA MYSA

