

The Development of National Atlas – Malaysia's Experience

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"Geospatial Information for a Smarter Life and Environmental Resilience"

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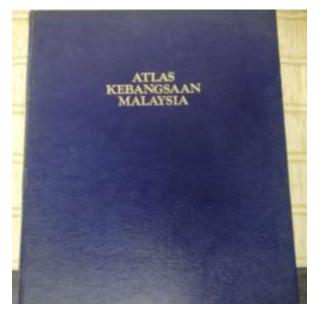
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Why National Atlas?

• A national atlas is a collection of cartographic systematic thematic maps that shows entirely as possible the summary of the spatial relevant data about a nation that generally are not accessible to the public, in a way comparison is possible by the local and international viewer.



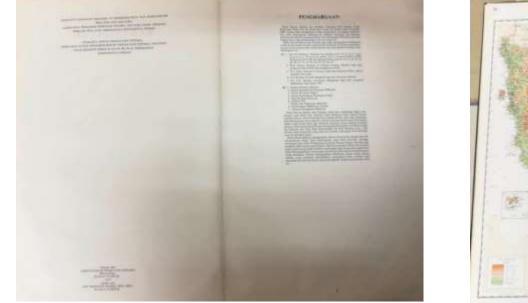


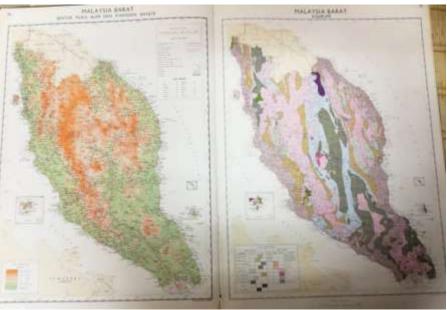




The 1st Malaysia's National Atlas, published 1977



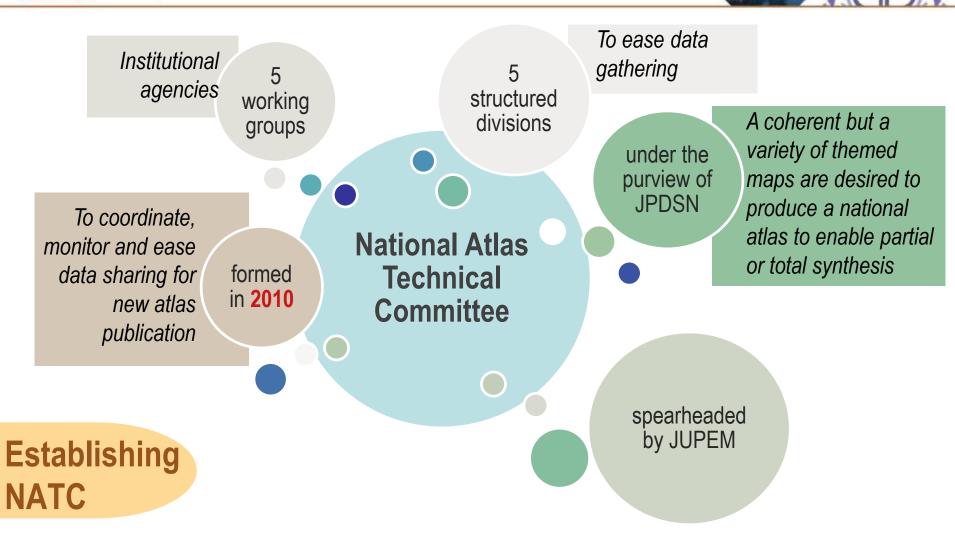




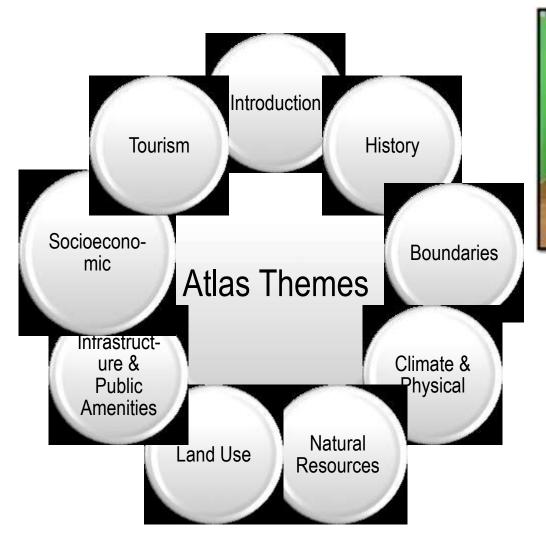
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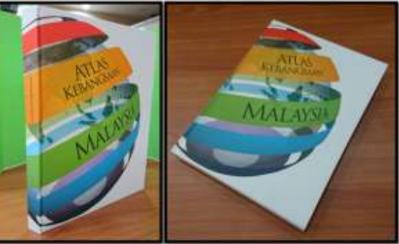
Background	Na Info	arted tional Atlas ormation stem (NAIS)	The introduction of eMAP	The introduction of WebMAP 2002
Ia M'sia 1 st National Atlas ▲	atest edition	1999	2001	By region (KL& Putrajaya)
1977	1994 - Approved by JPDSN - Basis according to Robert, 1986	Fundamental dataset for Atlas &	Limited themed maps By region (KL& Putrajaya)	Enabler: Internet and Web Map Services
Did not include East Malaysia Difficult to manage - Specific time intervals - Limited finance - Extensive labour resource		electronic maps	Limited themes but interactive multimedia cartographic form maps	

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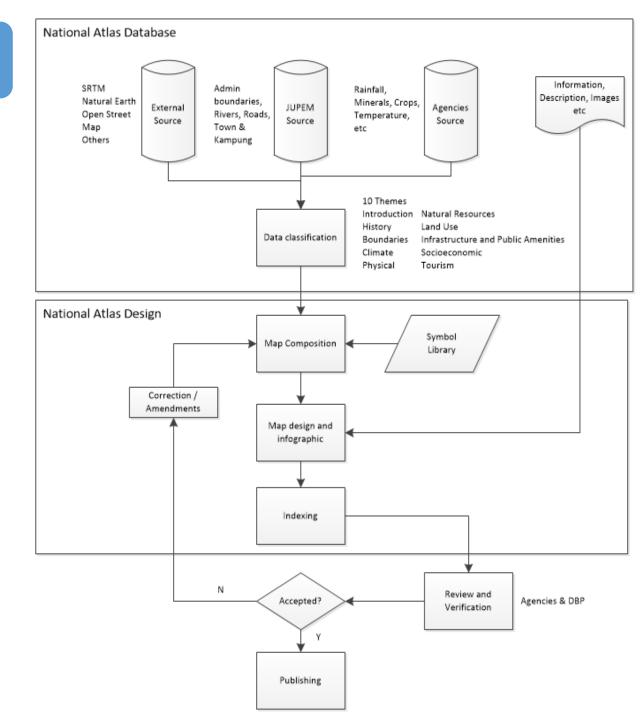


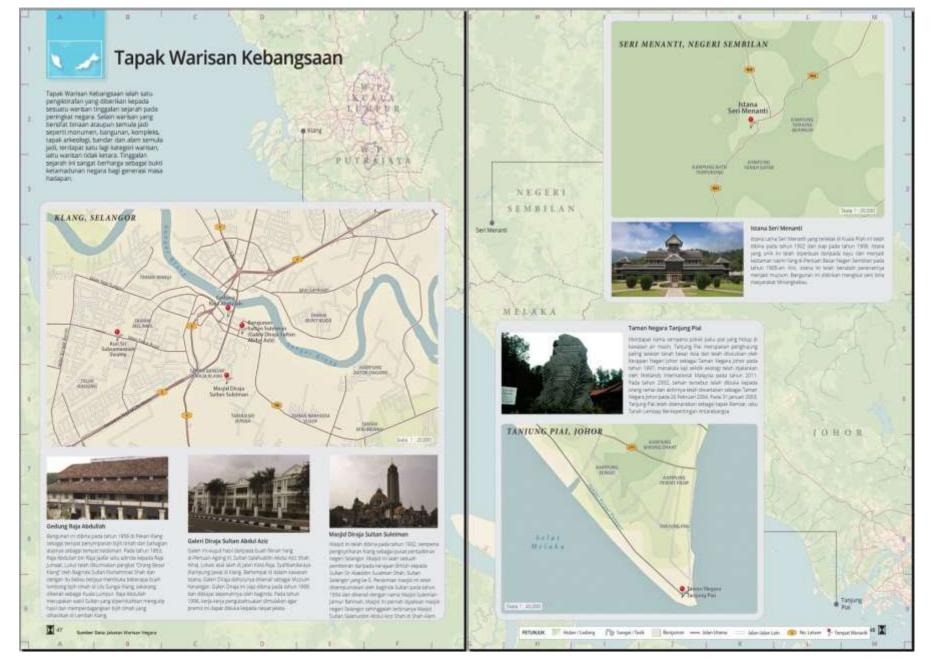
National Atlas

- 10 themes
- 49 sub themes
- Suit to national requirement (Block & Versloot, 1993)
- complemented with map, descriptive information, statistical graphics & infographics

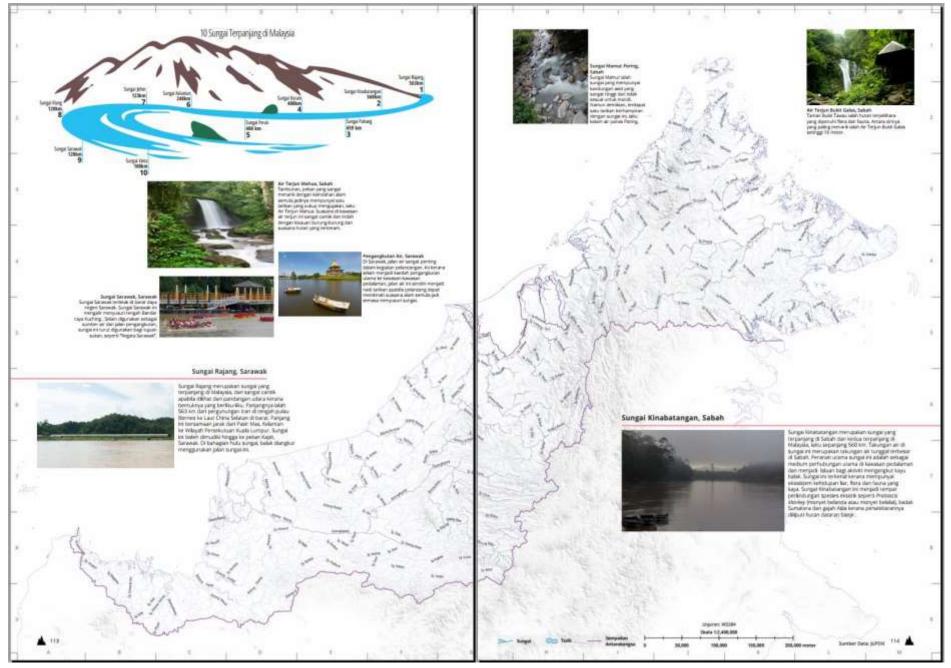
Process Flow

- Development of National Atlas Database
- National Atlas Design
- Publishing





A sample of the National Heritage Sites Sub-Theme under the History Theme of the National Atlas.



A sample of the Rivers Sub-theme under the Physical Theme of the National Atlas



Petroleum dan Gas Asli

Petroleum dan gas ask talah antara pendukung utama ekonorri moden negara. Pengeluaran petroleum dari gas els telar, menjadi terak gertumbuhan Malaysia sejak pertama tali Injectual di Salamak pada Jahun 1910

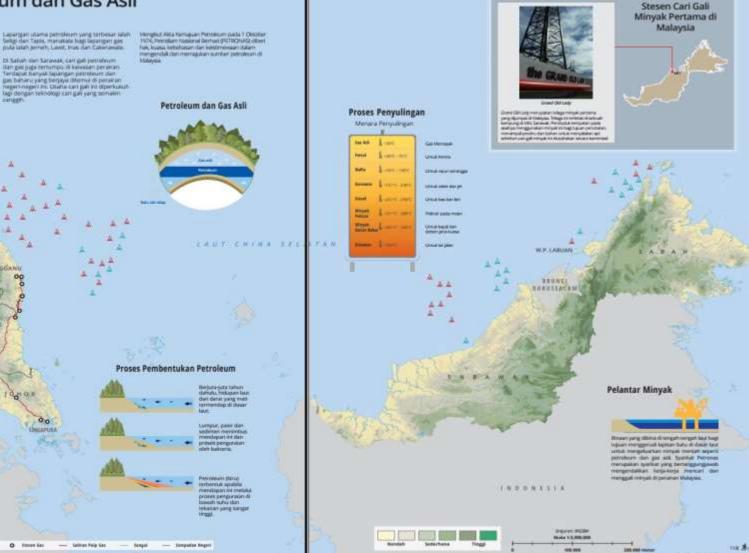
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Assessment

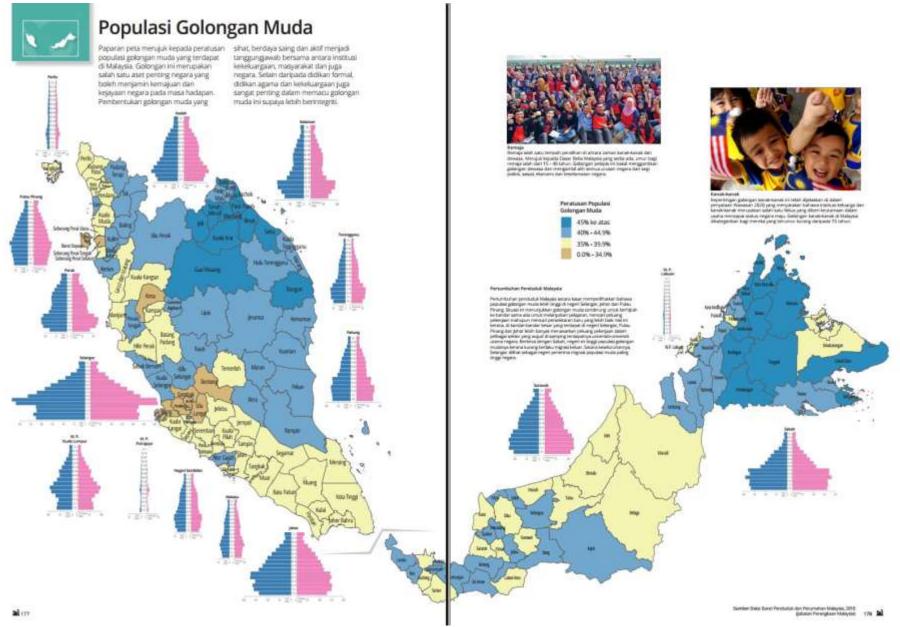
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Di Sahah dan Saranak, can gali perminanti itan gas juga tertumpo ili kawatan perairan Di Semenangung Malaysia, tokasi petroeum dan Terdapat hanyak lapangan petroleum dan gos tertumpu di bahagian perakan Terenggatu. Di perakan ini sahaja terdapat lebih darguida gas baharu yang berjaya ditemul di perairan mejeri-mejeri Im. Ditaha cari gali Ni diperkuluh 53 lapangan can gali petroleum itah 28 buah Tage deingan teknologi cart galt yang semakin Repartment das. zatieff Petroleum dan Gas Asli **Proses Penyulingan** Menara Penyulingan the bill L-met Cit Married Page 1 and the Links service -----Debut report setting Indexed instance where he Colorado Registi Mári (inclusion) **LINE BOOGANI** 0.0 A COMPLI PUTRALAY MEGERI MAILAN **Proses Pembentukan Petroleum** Herputa-juta taihuiv tiaiturku, hiskapan kas tart datat yang matt



Dorother Distances

A sample of the Petroleum and Natural Gas Sub-Theme under the Natural Resources Theme of the National Atlas.



A sample of the Youth Population Sub-theme under the Socioeconomic Theme within the National Atlas.

Issues

Various source of data

Physical Separation of West and East Malaysia

Time constraint for design

No formal research group

Recommendation

Metadata

Consider appropriate map scale and map purpose

Optimum time: 3 years but must be current (including validation)

Establish research group

Issues

Recommendation

Heterogeneous Data Quality

Lack of cooperation

Language

Unavoidable outdated information

Pilot Study by expert

Instil dedication and commitment

Bilingual publication

Fast changing info not to be included in atlas

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Future Works & Conclusion

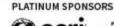
- Digital national atlas is available but not interactive
- Familiarity and simplicity are key (Aditya & Kraak,2006; Fowler2005)
- Consideration for novice to specialist user
- Advantage: outdated maps / info can be replaced

Interactive National Atlas

English Version National Atlas



- National atlas is cultural ambassador
- Spoken by most of the world population as 1st, 2nd and 3rd language
- Dissemination of popularised but authoritative scientific information about the geography of Malaysia from a national perspective can be achieved to international audience



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