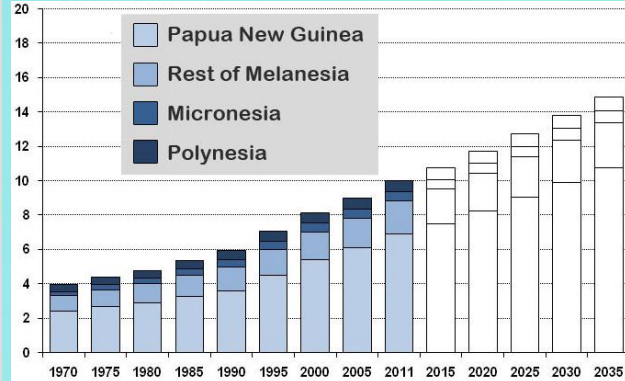
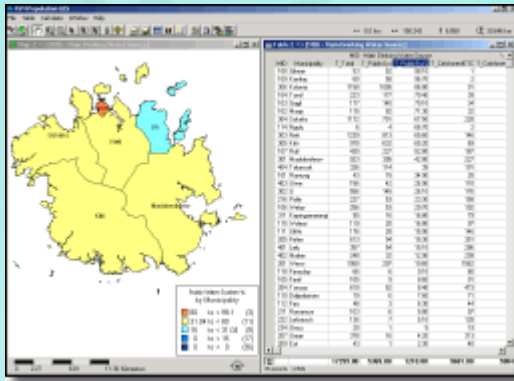




Artisanal Tuna Data Workshop
11th – 14th November 2013

Session 5 – National statistics
~ HIES and Census ~





Outline – national statistics to inform fisheries management

- National statistics
- Data source:
 - Prism and national statistics office websites
 - National minimum development indicators
 - PopGIS
- The use of national statistics to inform fisheries management:
 - Household income and expenditure surveys
 - National census and agricultural census

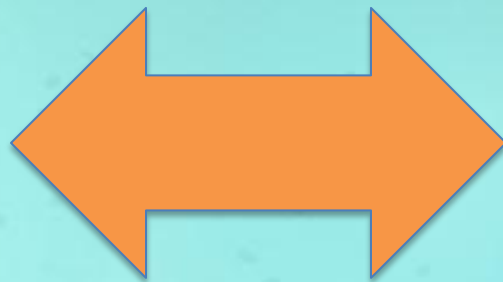




Background to national statistics

Types of statistics

- Population
- Economic
- Health
- Education
- Industry



Data sources

- Census
- National accounts
- Demographic and health surveys
- Business surveys
- Other



www.Vecto.rs - 24690





National (and regional) statistics data source

- PRISM and national statistics office:

<http://www.spc.int/prism/>

- National minimum development indicators

<http://www.spc.int/nmdi/>

Prism Explore the Statistics of the Pacific Island Countries and Territories

National Minimum Development Indicators Statistics for Development Division Secretariat of the Pacific Community

News Events & Activities Regional Data Reports Feedback

Popular Downloads

Popular Reports and Documents Available Here.

Download

Heads of Planning and Statistics (HOPS) 2013 Agenda (July 2013)

Heads of Planning and Statistics (HOPS) 2013 Participant List (July 2013)

Pacific Development Indicators

Access Pacific Development Indicators including MDGs.

NMDI

Click Here to launch the website

Click Here for a summary of our Education Indicators

Click Here for a summary of our Vital Statistics Indicators

Country Links

- American Samoa
- Cook Islands
- Federated States of Micronesia
- Republic of Fiji
- French Polynesia
- Guam
- Kiribati
- Northern Marianas
- Republic of the Marshall Islands
- Nauru
- New Caledonia
- Niue
- Palau
- Papua New Guinea
- Pitcairn Islands
- Samoa
- Solomon Islands

Current Activities 6/9

Nauru Statistics at a Glance (Census 2011 Results)

Population Count	10,084
Total Males	5,105
Total Females	4,979

Health (Jan 2012)

Crude birth rate (CBR)	22.2
Crude death rate (CDR)	7.5
Infant mortality rate (IMR)	11.0

Nauru Website Upgraded

The Nauru Bureau of Statistics have released their new website, together with two useful infographics: **Census 2002 - 2011 (Education)** **Nauru Census 2011 Summary**

Mapping and Metadata

Access Online

NMDI National Minimum Development Indicators

Pacific Regional Information System Statistics for Development Secretariat of the Pacific Community

Population & Development

Browse Data via the Following Themes:

- Population
- Poverty
- Education
- Economic Development
- Labour Force
- Social Services Provisions

Agriculture & Forestry

Browse Data via the Following Themes:

- Households
- National Economy
- Natural Resources

Public Health

Browse Data via the Following Themes:

- Vital Statistics
- Vector Borne Diseases (Malaria)
- Communicable Diseases (TB)
- Sexual Health (HIV/AIDS & STI)
- Maternal Health
- Child Health
- Non-Communicable Diseases
- Environmental Health
- Health Systems

Fisheries & Aquaculture

Browse Data via the Following Themes:

- Economics - Labour Market Activity
- Economics - Macro Aspects
- Sustainable Livelihoods and Food Security

Human Development

Browse Data via the Following Themes:

- Gender

Access MDG Data

Choose MDG Indicator below for cross-country comparisons



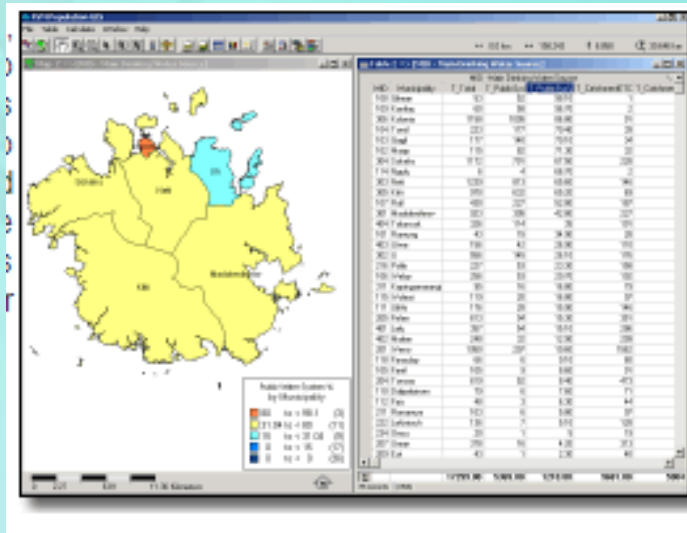


National (and regional) statistics data source

- PopGIS

<http://www.spc.int/sdd/index.php/en/popgis>

- Populations not evenly distributed
- Neither is social and economic development
- Policy and planning
- Monitor progress
- Awareness raising

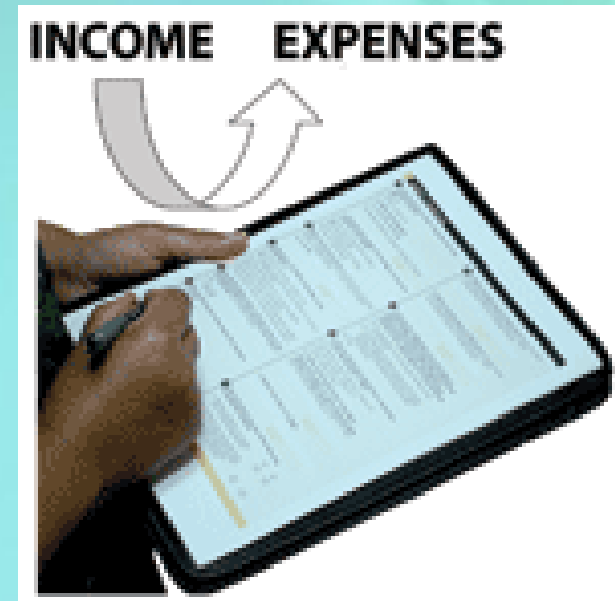




Using national statistics to inform fisheries management and development

HOUSEHOLD INCOME AND EXPENDITURE SURVEY

- People's living conditions and income/expenditure patterns
- Rebasing consumer price index, in the preparation of national accounts, and to analyse poverty and hardship
- Standardised regional survey being recommended





HOUSEHOLD INCOME AND EXPENDITURE SURVEY

Fisheries data generated from HIES:

- ***Activity:***

- HH members involved
- FO visits
- Sales
- Cooperative participation
- Finance
- Vessel type

- ***Expenditure:***

- Fuel
- Vessel and motor
- Maintenance
- Gear
- Transport
- Labour
- Ice





HOUSEHOLD INCOME AND EXPENDITURE SURVEY

- ***Income:***

- Species:

- Inshore
- Coastal
- Oceanic

- Aquaculture

- ***Daily activity***

- Formal or informal
- Commercial or subsistence





HOUSEHOLD INCOME AND EXPENDITURE SURVEY

- Stock, purchases and production (\$ & kg):
 - Stock: fresh, frozen, canned
 - Purchases: fresh, frozen, canned
 - Produced: crops, seafood, livestock





HOUSEHOLD INCOME AND EXPENDITURE SURVEY

	Oceanic fish - fresh, chilled or frozen		Large coastal fish - fresh, chilled or frozen
01.1.3_022_01	Tuna - big eye	01.1.3_023_01	Reef fish - herbivores (e.g., parrot fish, rabbit fish, surgeon fish)
01.1.3_022_02	Tuna - yellowfin	01.1.3_023_02	Reef fish - carnivores (e.g., grouper, snapper, emperor)
01.1.3_022_03	Tuna - skipjack	01.1.3_023_06	Large coastal pelagic (e.g., trevallies, Spanish mackerel, barracuda)
01.1.3_022_04	Tuna - albacore	01.1.3_023_07	Large coastal fish - all other
01.1.3_022_05	Tuna - other tuna and tuna like species		Small coastal fish - fresh, chilled or frozen
01.1.3_022_06	Large pelagic - rainbow runner, wahoo, mahi mahi, kawa kawa	01.1.3_024_01	Small coastal - mackerel, pilchards, anchovies, scads, sardines, mullets, other
01.1.3_022_07	Billfish - marlin, swordfish, sailfish	01.1.3_024_02	Small coastal - flying fish
01.1.3_022_08	Shark - all species		Deepwater fish - fresh, chilled or frozen
01.1.3_022_09	Other - oceanic fish	01.1.3_025_01	Deepwater snapper
		01.1.3_025_02	Deepwater fish - all other

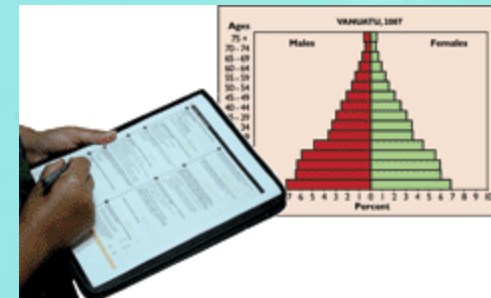




Using national statistics to inform fisheries management and development

CENSUS AND AGRICULTURAL CENSUS

- Every 10 years, some every five years.
- Policy-makers are able to make informed and relevant decisions to improve the lives of their people.
- E.g., decisions on where schools and hospitals are built are based on age, sex and fertility patterns revealed by a census





Practical uses of national statistics

- Disaggregated (inshore, coastal and oceanic) information on:
 - Participation
 - Subsistence production
 - Consumption
- Income and expenditure
- Assets





Constraints with the use of national statistics

- Snapshot
- 5 to 10 years
- Irrelevant fisheries questions in surveys
- Conversion ratios
- Not fisheries focused
- Enumerators not fisheries staff

