



International
Energy Agency

Secure • Sustainable • Together

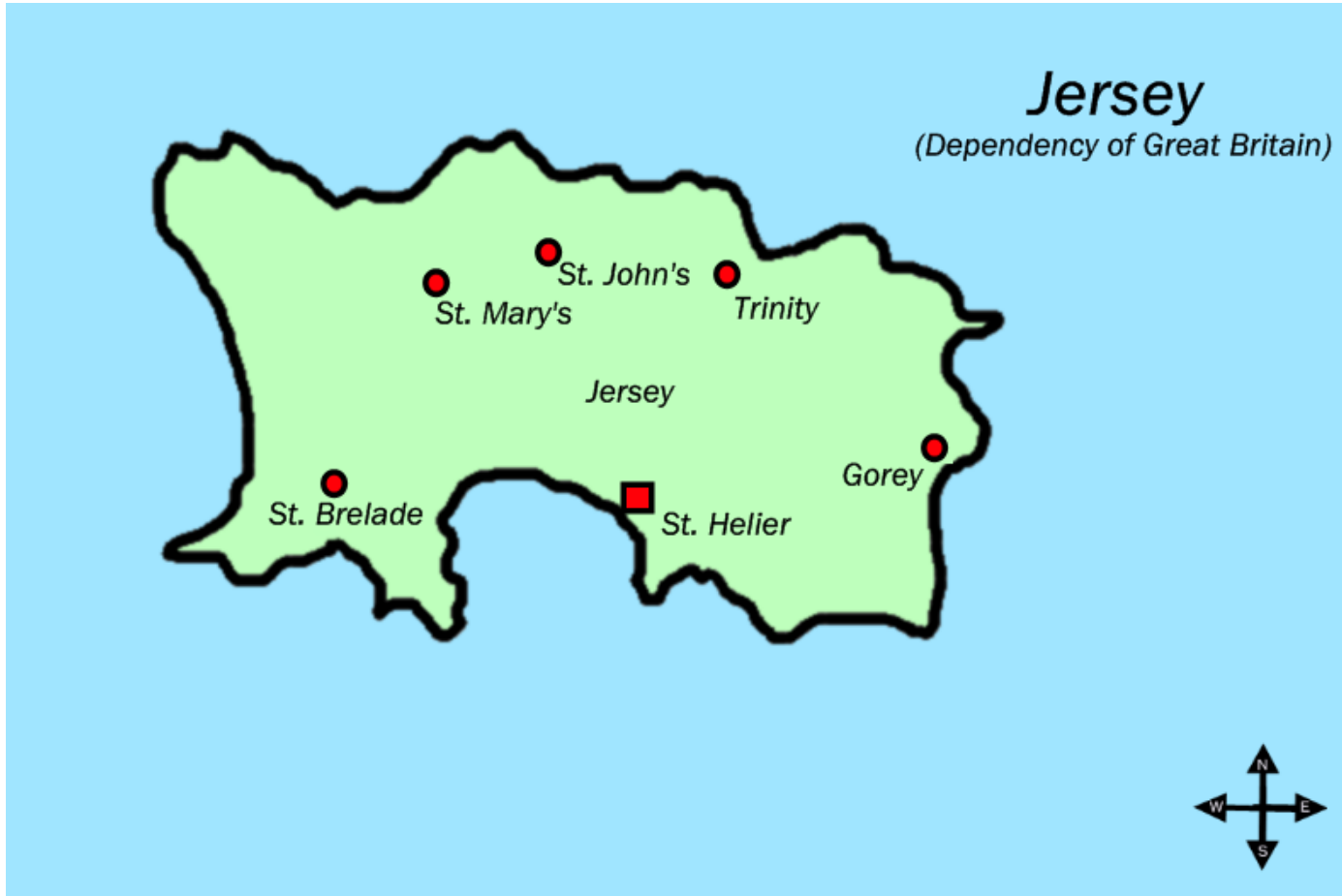
Resource efficiency

Duncan Millard

Chief Statistician

International Energy Agency

A short story



STATES OF JERSEY

r

STRATEGIC PLAN 2006 TO 2011 (P.40/2006): SIXTH AMENDMENT

- The census for 2006 was postponed until 2011 by the Council of Ministers

Jersey Social Survey (JSS)

- **Opportunity to start a new survey to understand social aspects in Jersey**
- **Where to start?**

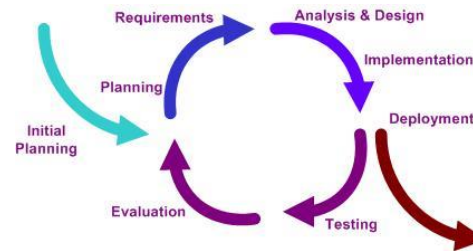
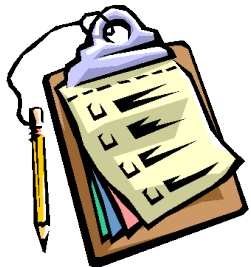
Jersey Social Survey (JSS)

- **Opportunity to start a new survey to understand social aspects inn Jersey**
- **Where to start?**
- **“Borrow” questions**
- **Took questions from range of other household surveys being used across the UK**
- **Adapted where needed**
- **Survey designed in a few days and in built comparisons**

Think of it as harvesting



But harvesting information, not food



What are our crops

- **Surveys**
- **Methodology**
- **Tools**
- **Legislation**

Surveys

- **Different types of fuels (monthly and annual), consumption of energy (households, industry, etc...monthly, annual, quarterly), with description and reporting guides to help participants (Canada).**
- http://www23.statcan.gc.ca/imdb/pIX.pl?Function=getThemeSub&PItem_Id=97413&PCE_Id=384&PCE_Start=01010001&cc=1

- **Consumption behavior questionnaire (Austria)**
 - http://www.iea.org/media/statistics/eemannual/Austria_Questionnaire_on_consumption_behaviour.pdf

- **Electric and gas devices questionnaire (Austria)**
 - http://www.iea.org/media/statistics/eemannual/Austria_Questionnaire_on_electricity_and_natural_gas_device.pdf

- **Instructions for filling questionnaires (Hungary)**
http://www.mekh.hu/download/f/51/10000/1335a_kitoltesi_utmutato_v5.pdf

- **Business energy use survey - pdf (2013) (Ireland)**
- <http://www.cso.ie/en/media/csoie/surveysandmethodologies/surveyforms/documents/distributionseries/pdfdocs/BEUSurvey2013.pdf>

- <http://www.minetur.gob.es/energia/balances/Publicaciones>
(Spain)
 - Coal: monthly statistics Methodology
 - Electricity: monthly statistics Methodology
 - Electricity: Annual statistics Methodology
 - Natural gas: monthly statistics Methodology
 - Oil: monthly statistics Methodology

- **Methodological explanations, Quality reports of Surveys (English and Slovenian), and Questionnaires (only in Slovenian)**

- **technical paper on geothermal - include some references (Iceland)**
 - http://www.nea.is/media/utgafa/GD_loka.pdf

- **Tools for conversion and calculations (Canada):**
 - <https://www.neb-one.gc.ca/nrg/tl/cnvrsntbl/cnvrsntbl-eng.html>

- **Web tool: Energy Balance (Sweden)**
 - (<http://www.energimyndigheten.se/en/Facts-and-figures1/Statistics/Energy-balance/>)
- **Web tool: Energy Commodity Balance (Sweden)**
 - (<http://www.energimyndigheten.se/en/Facts-and-figures1/Statistics/Energy-Commodity-Balance/>)

- **Make your own tables (Norway):**
<https://www.ssb.no/statistikkbanken/selecttable/hovedtabellHjem.asp?KortNavnWeb=energiregn&CMSSubjectArea=energi-og-industri&PLanguage=1&checked=true>

- **Laws & Regulations (Korea)**
 - <http://english.motie.go.kr/?cat=27>

- **Code of practice for official statistics (UK)**
 - <http://www.statisticsauthority.gov.uk/assessment/code-of-practice/index.html>

- **The National Greenhouse and Energy Reporting Act covers the mandate and mechanisms for collecting Energy (and GHG) data (Australia).**
 - <http://www.cleanenergyregulator.gov.au/NGER/Legislation>

- **The French legal framework**
 - [loi de 1951](#), [Energy Code](#).

And the wealth released via organisations including:



United Nations
Statistics Division



Asia-Pacific
Economic Cooperation

eurostat 



International
Energy Agency
Secure
Sustainable
Together

olade



INTERNATIONAL ENERGY FORUM

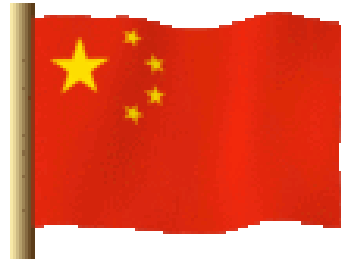


OPEC ORGANIZATION OF THE
PETROLEUM EXPORTING COUNTRIES

What would the field look like



©Toons4Biz * illustrationsOf.com/7803



A free open on line information hub

Surveys

Oil

Gas

Etc

Legislation

Data
collection

Data
protection

Etc

Tools

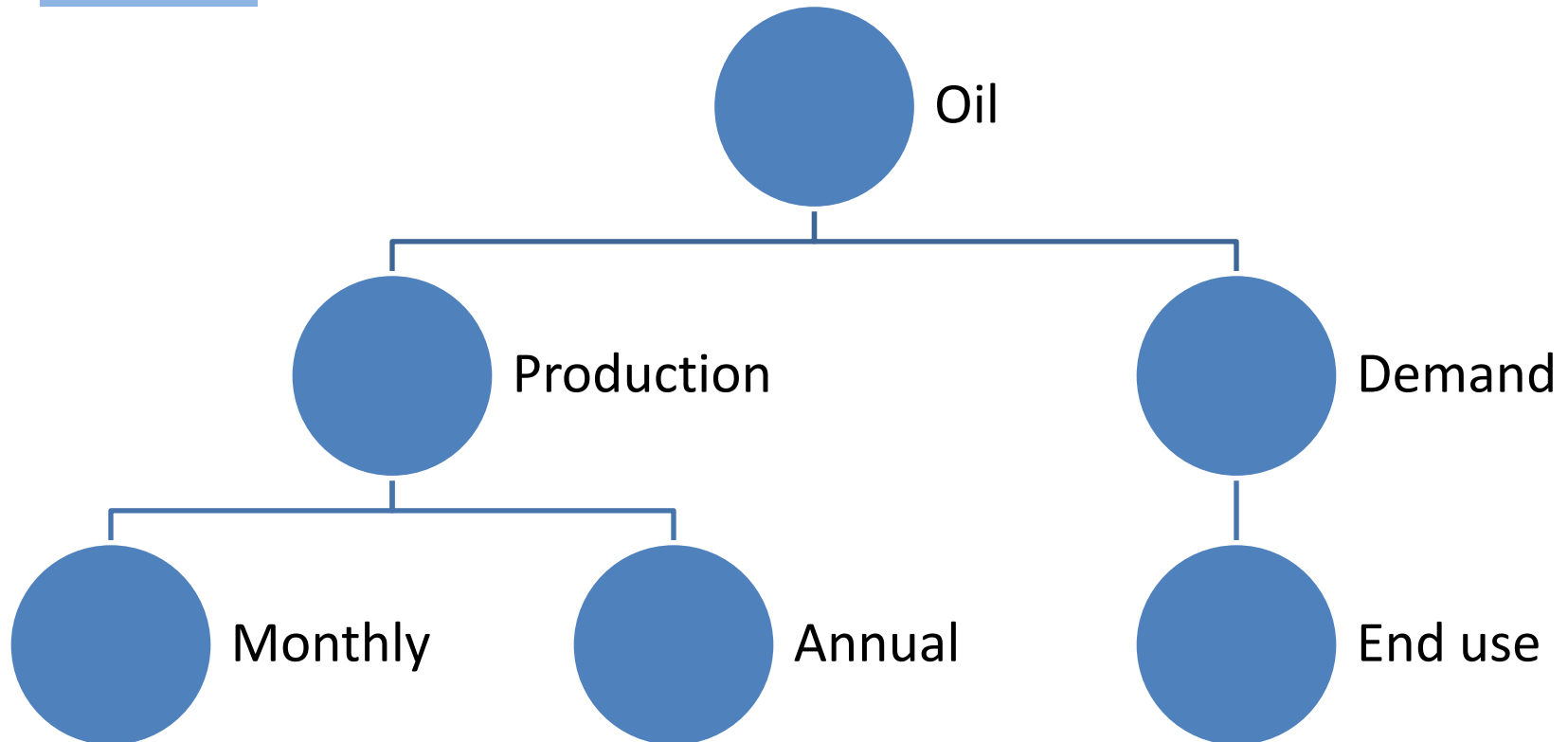
Tables

Checks

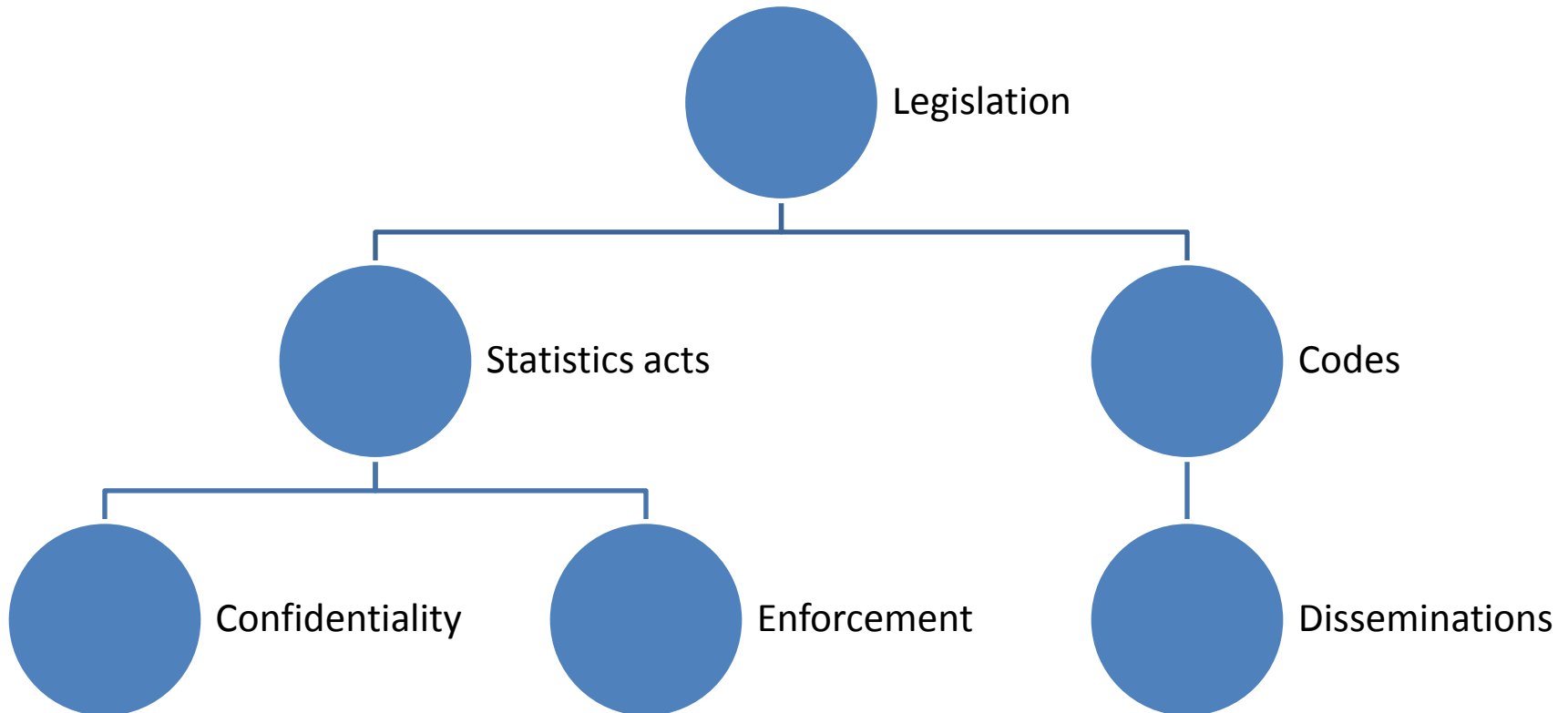
Etc

Various options to design

Surveys
Oil



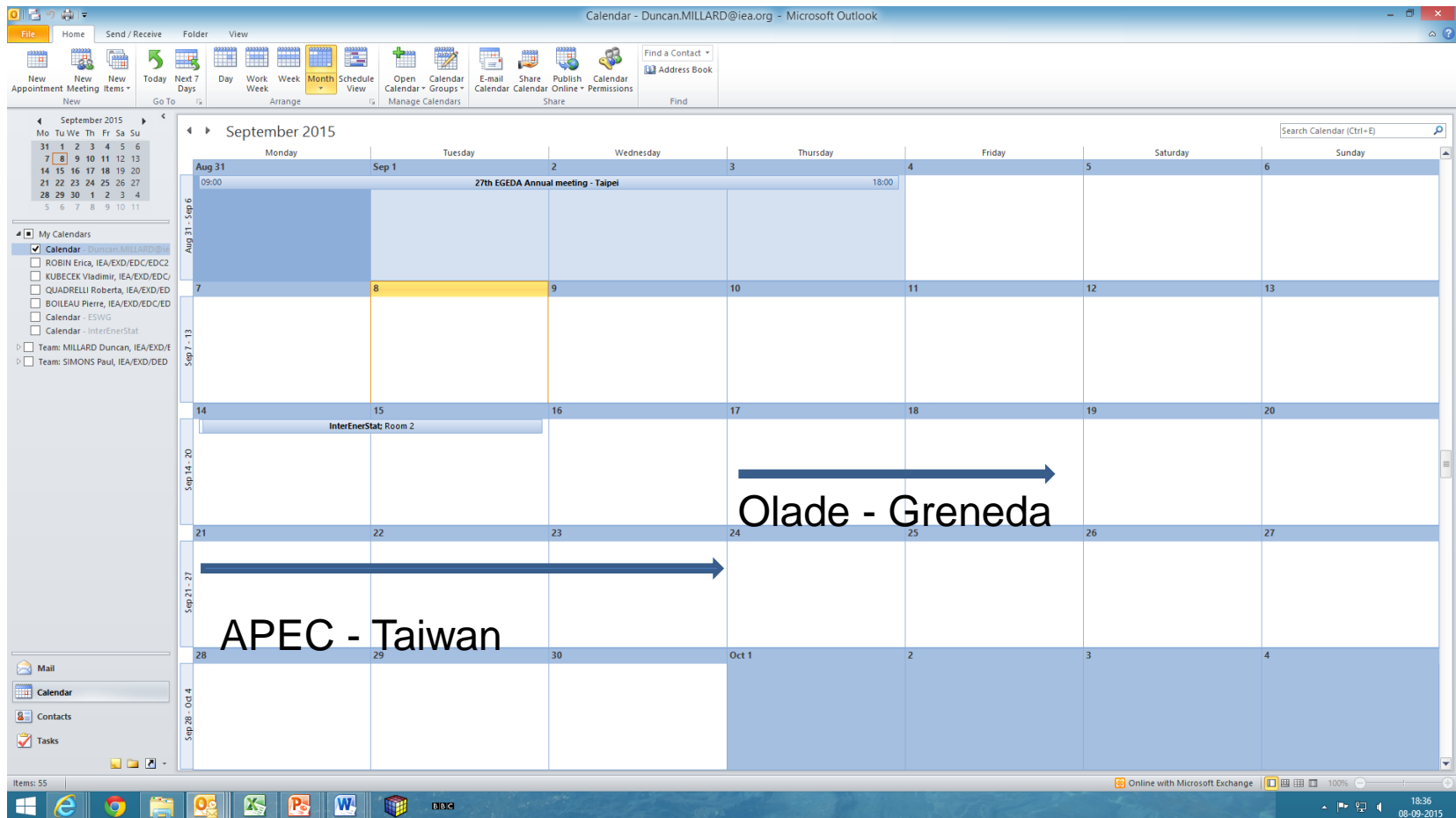
Legislation



Coordination

- **Website would be open to all**
- **Options for how could help organisations**
- **Restricted areas**
 - Sharing our material
 - Information on training
- **Common calendar**
 - Maximise achievements from limited resources
 - Avoid overlaps
 - Encourage cooperation, where appropriate

A shared calendar for training



The screenshot shows a Microsoft Outlook window titled "Calendar - Duncan.MILLARD@iea.org - Microsoft Outlook". The interface includes a ribbon with "File", "Home", "Send / Receive", "Folder", and "View" tabs. The "View" tab is active, showing options for "Day", "Work Week", "Week", "Month", and "Schedule View". The "Month" view is selected, displaying a calendar for September 2015. The calendar grid shows events for the month, with specific events highlighted by blue arrows and text labels:

- 27th EGEDA Annual meeting - Taipei**: A blue arrow points to the event on Monday, August 31, from 09:00 to 18:00.
- Olade - Grenada**: A blue arrow points to the event on Tuesday, September 22.
- APEC - Taiwan**: A blue arrow points to the event on Wednesday, September 23.

The left sidebar shows "My Calendars" with a list of calendars, including "Calendar - Duncan.MILLARD@iea.org" (checked) and "Team: MILLARD Duncan, IEA/EXD/E". The bottom status bar shows "Items: 55" and "Online with Microsoft Exchange".

A suggestion – so?

- **Do others agree on benefits**
- **Is similar info available from other organisations and/or their members (eg the IEA energy efficiency database).**
- **What else could be included?**
- **Is there support for IEA exploring options to develop?**