

Spatial database & ESRI tool strategy and new ways of accessing IHSE E&P data

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Agenda

- Spatial database and GIS Strategy
- Physical implementation & deployment in Shell
- Lessons learned with previous GIS
- Overall framework
- 'Real stuff' – possible demo & screen shots
- Portal deployment
- Questions?



Spatial database and GIS Strategy

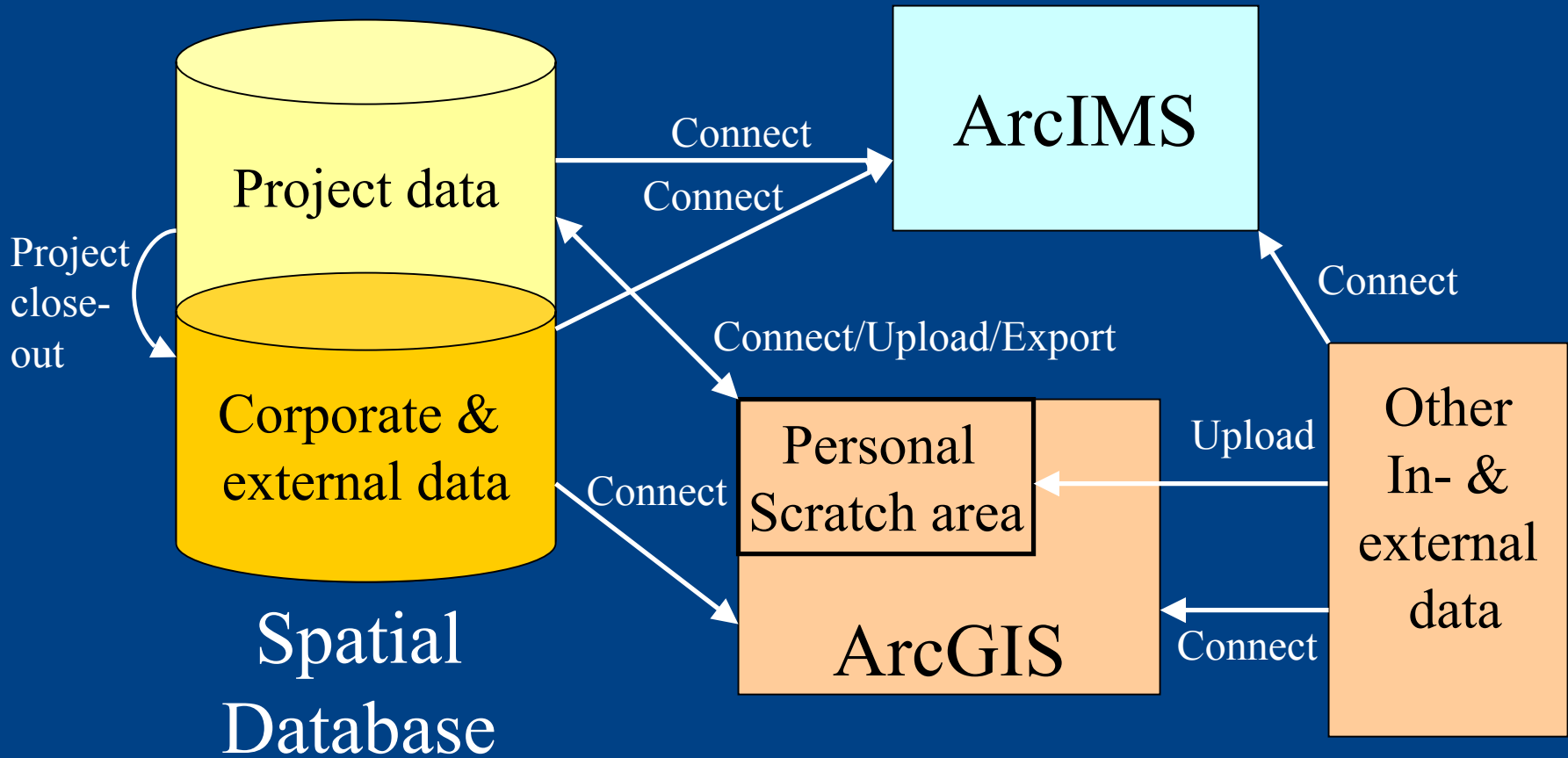
how to prevent the data mountain and uncontrollable duplication

- Demise of previous GIS vendor required new approach
- No deployment of ‘stand-alone ArcView’
- Set-up of corporate Spatial database
- Deployment of ArcGIS & ArcIMS as soon as available
- ArcGIS fully functional ‘out of the box’ seldom need for customisation – focus on access to data



Physical implementation

schematic overview – connecting to data...



Deployment in Shell

reaping the benefits of standardisation ...

- Shell's Group Infrastructure desktop (GI-D) standardisation enables availability of ArcGIS
- Central license server (possibly company wide) under discussion
- Citrix option available for infrequent (laptop) users



Deployment in Shell

... & facing reality

- Central support of corporate Spatial Database and skills
- Connecting to data on the intranet leaves room for improvement
- Interim copy of external online data on Spatial Database in Netherlands & Houston



Lessons learned from previous GIS

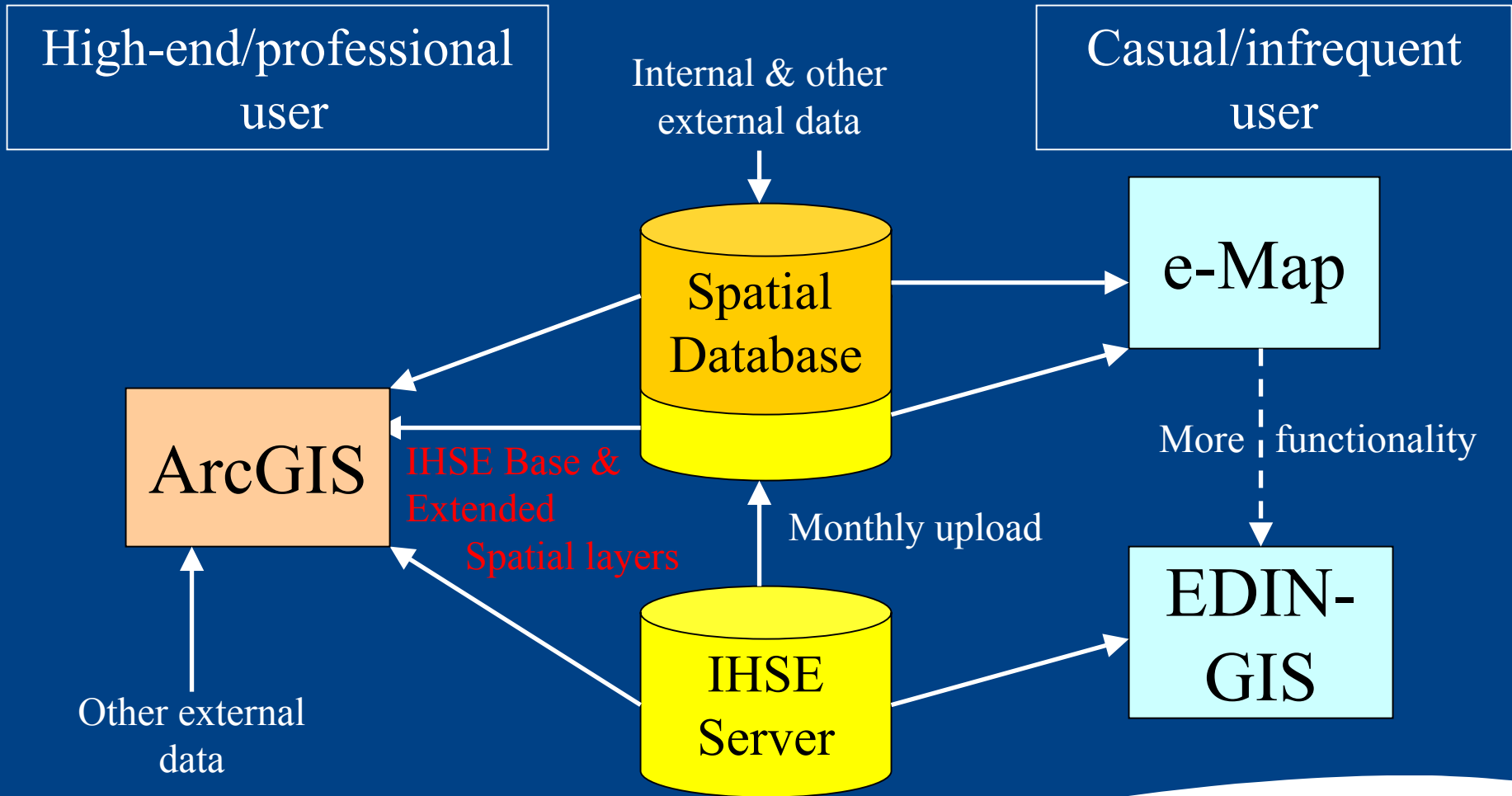
do not fall into the functionality trap!

- Previous GIS started simple
- Ended up with 100 %+ functionality and <2 % of the users
- Clear need to address two types of users
 - casual/business user (90%) - ArcIMS
 - high end/professional user (10%) - ArcGIS
- Strictly keep ArcIMS implementations simple
- Focus on maximum access to data for ArcGIS users
 - they already have all the functionality they need 'out of the box'

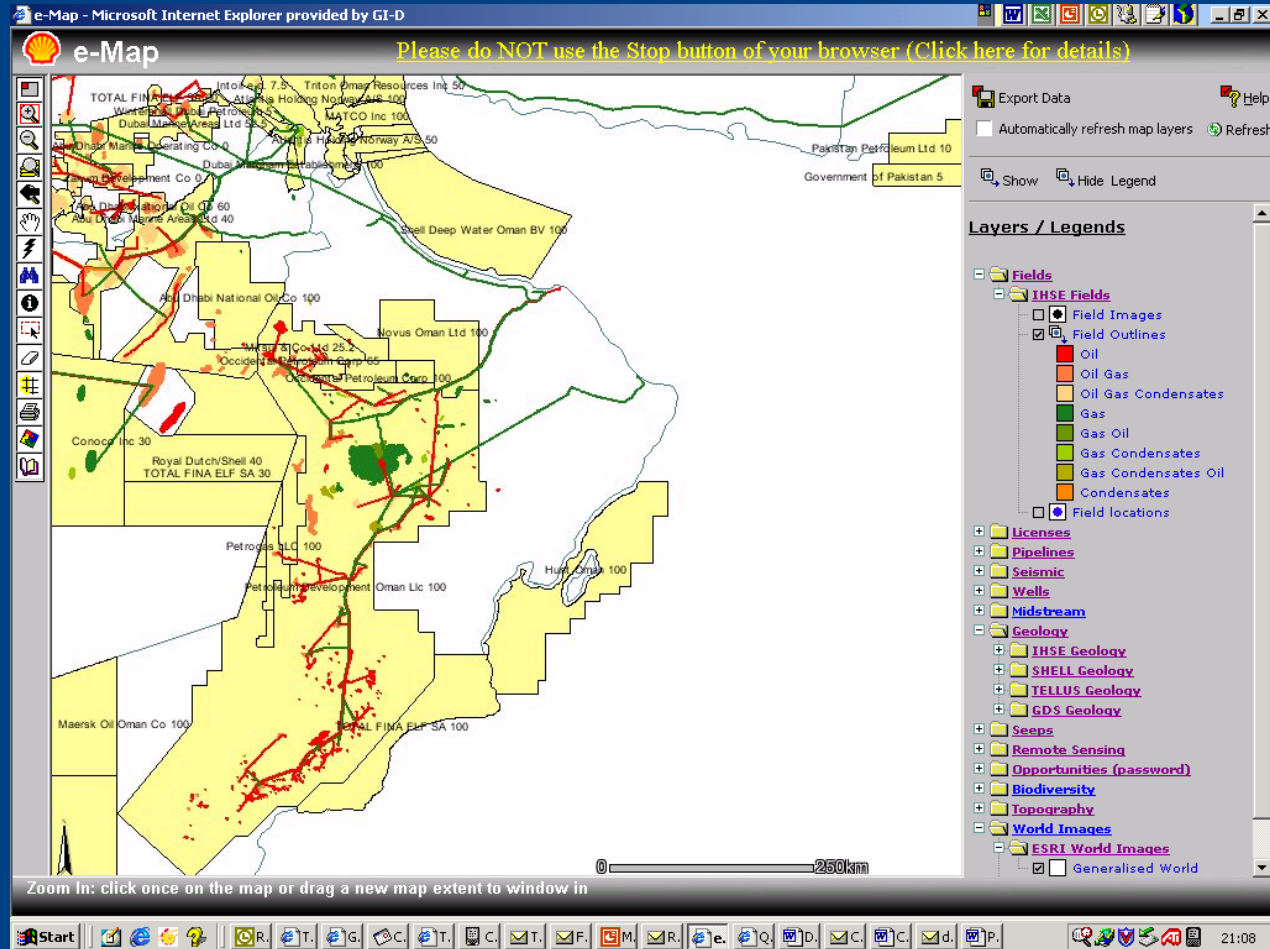


Overall framework

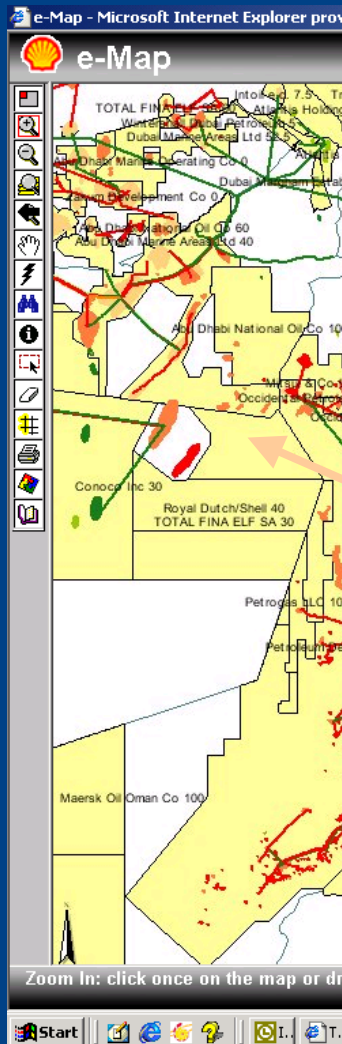
in- & external data from a user's perspective



e-Map - what data is where from who?



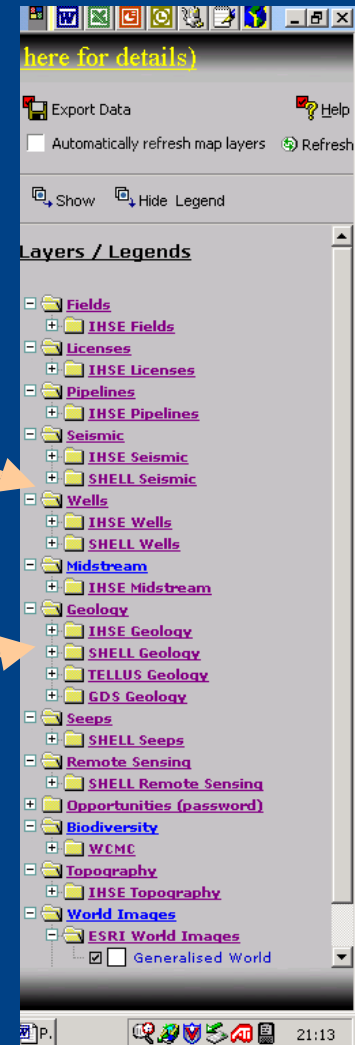
e-Map



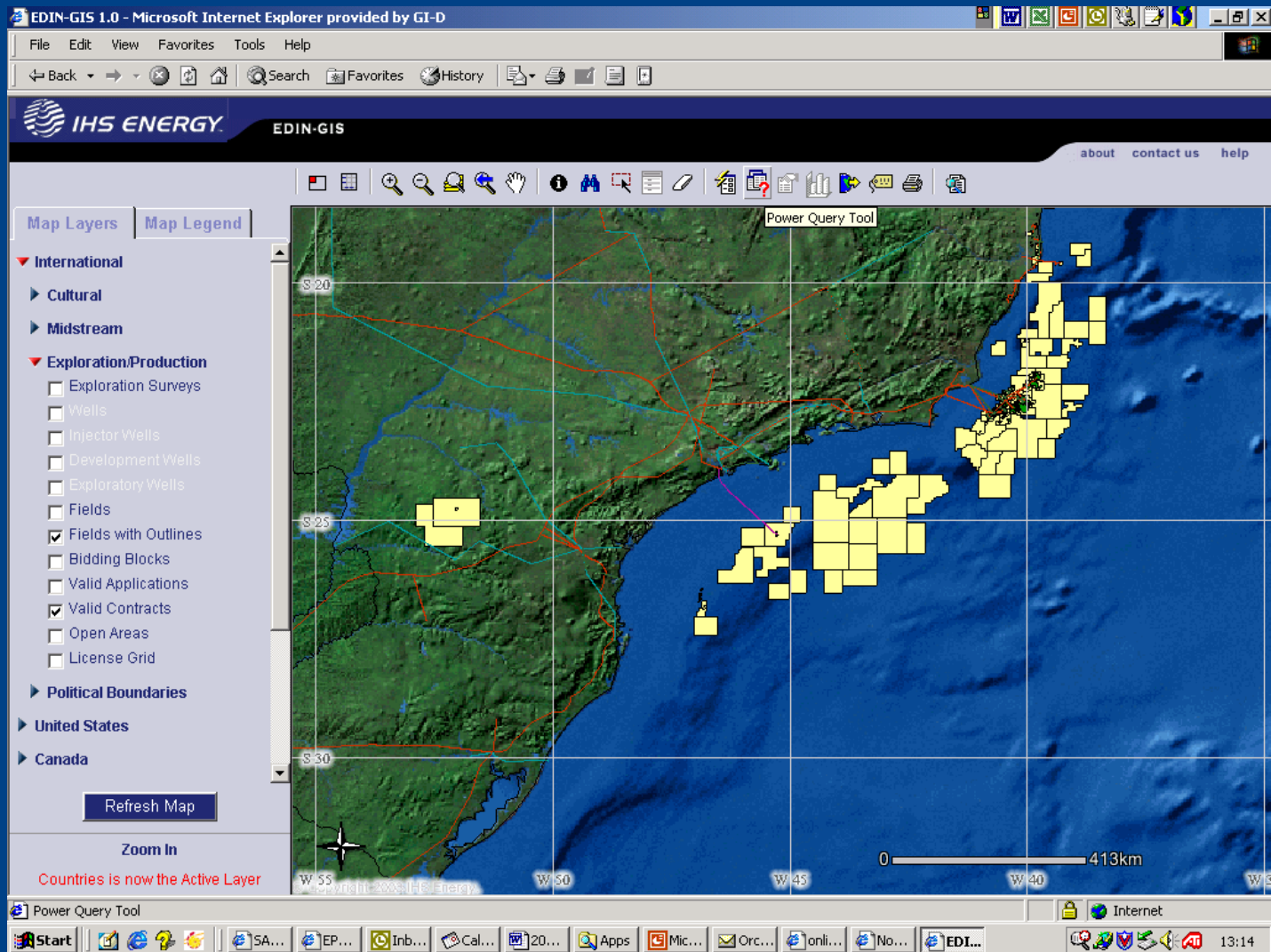
What data

Where

from who

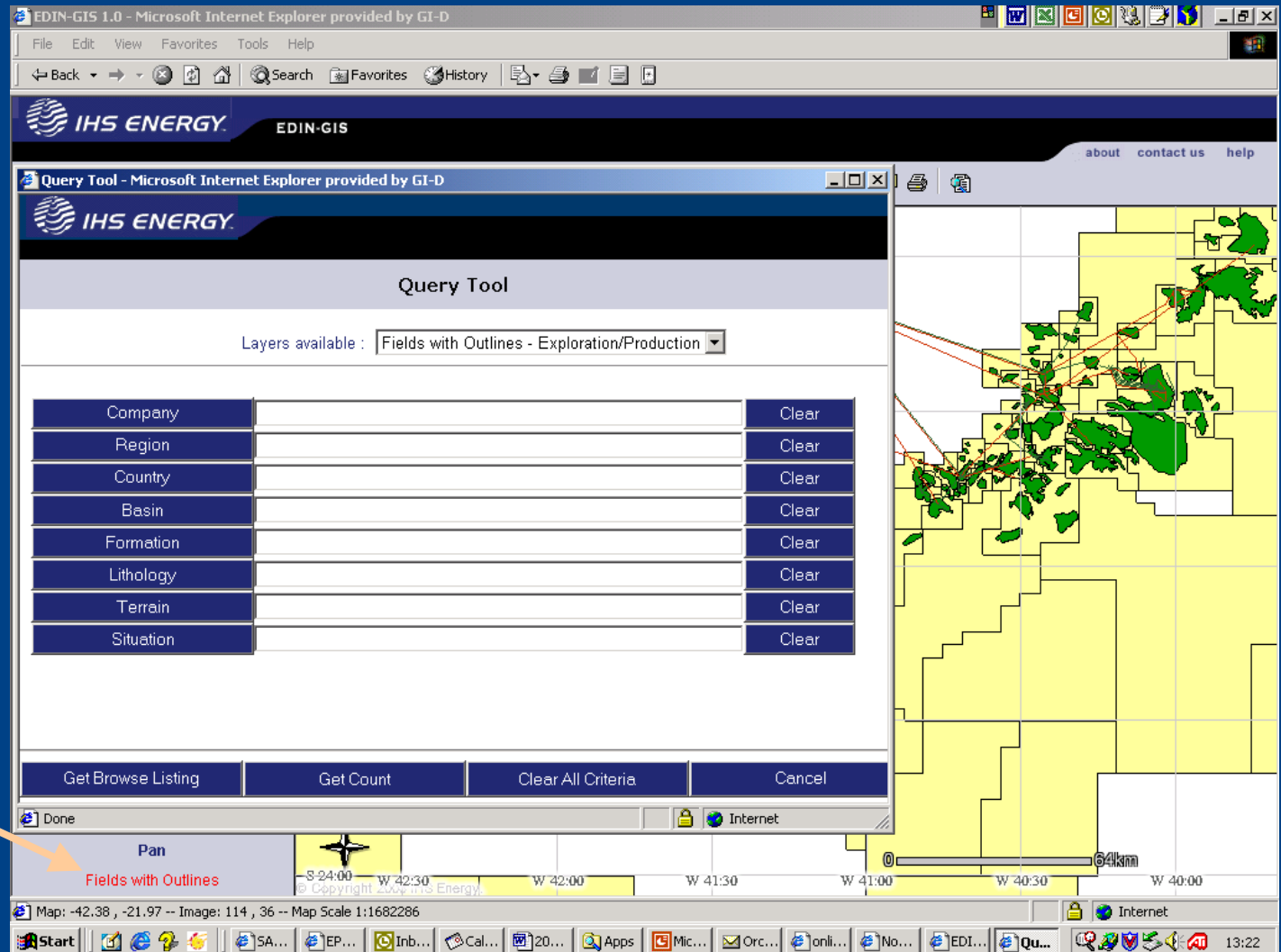


EDIN-GIS

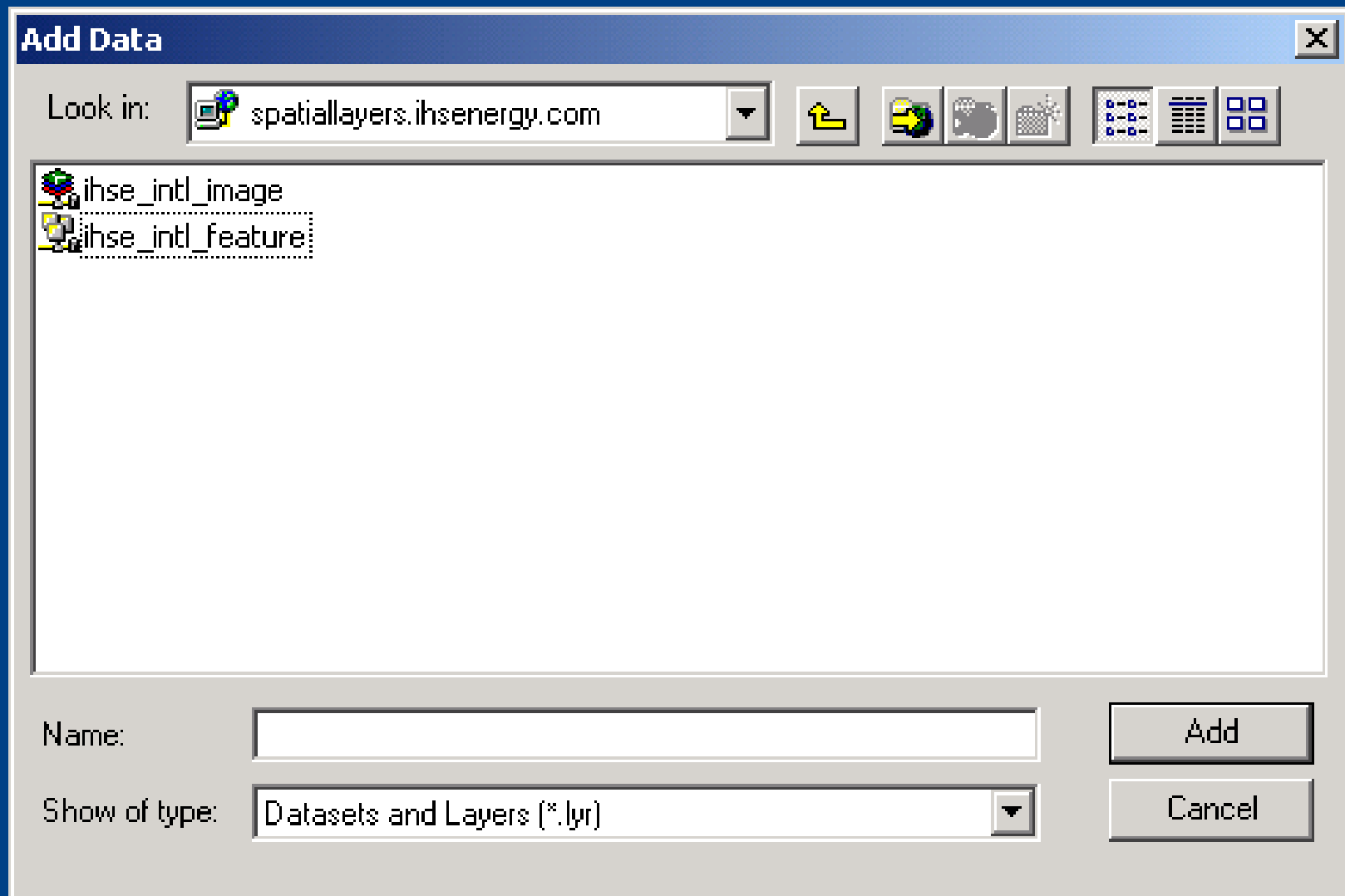


EDIN-GIS

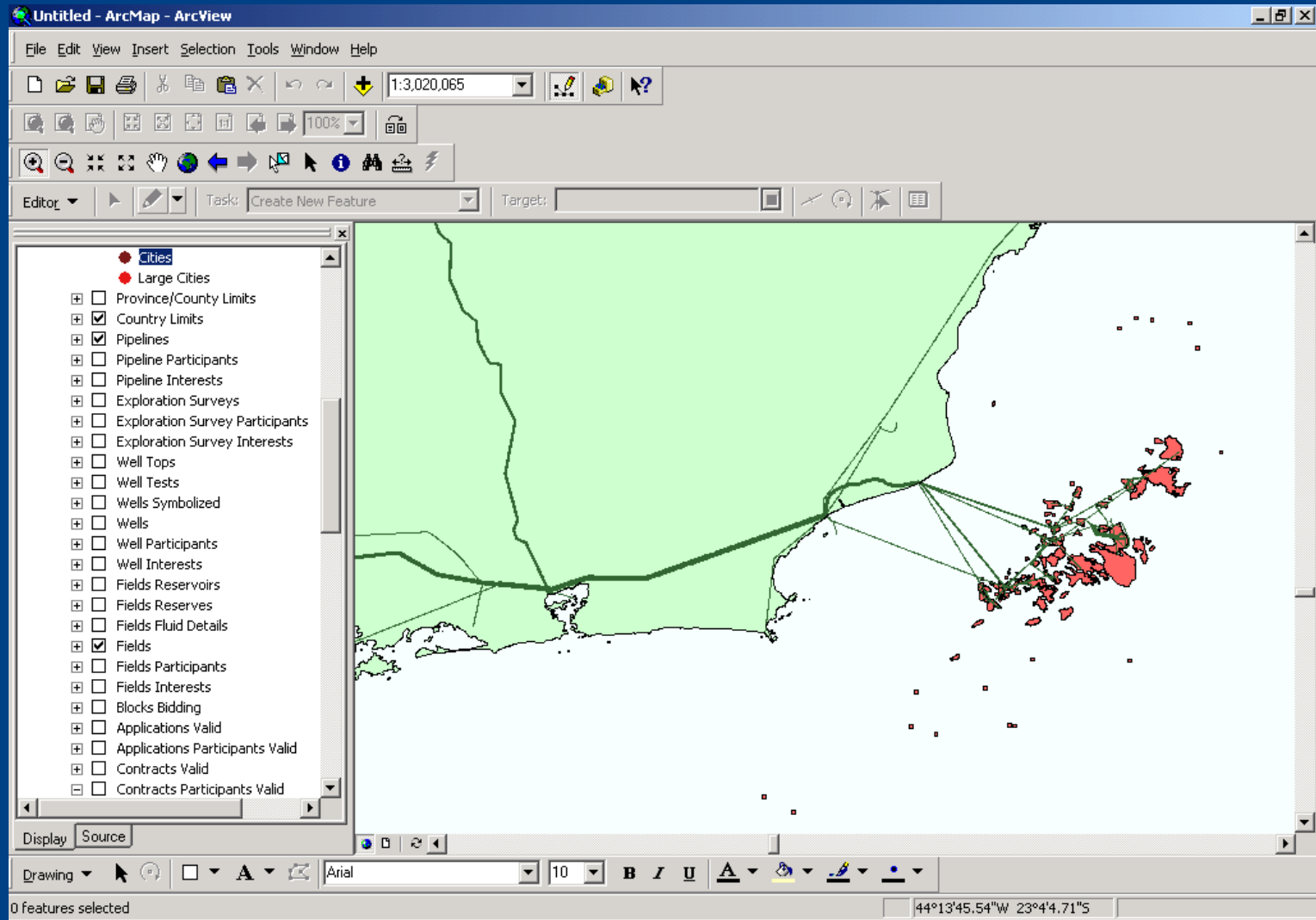
More
extended
functions
specific
to the
type of
data



Spatial layers (on-line)



Spatial layers (on-line)



Spatial layers (on-line)

The screenshot displays the ArcMap - ArcView software interface. The main map area shows a geographical view with a green-shaded region and yellow-shaded blocks. A red dot is visible on one of the yellow blocks. The left-hand pane contains a list of spatial layers, with 'Fields Participants' selected. The right-hand pane, titled 'Identify Results', shows the details for the selected layer, including a table of fields and values.

Identify Results

Layers: <Top-most layer>

Location: [-45.408477 -25.296969]

Field	Value
IE.CONTRACTS_VALID_PAR.GA_ID	100000081595
#SHAPE#	Polygon
IE.CONTRACTS_VALID_PAR.BLOCK_NAME	BS-001
IE.CONTRACTS_VALID_PAR.CON_BLK_NM	BS-001
IE.CONTRACTS_VALID_PAR.COUNTRY	Brazil
IE.CONTRACTS_VALID_PAR.GROUP_NAME	EL PASO EN 5
IE.CONTRACTS_VALID_PAR.COMPANY	Petroleo Brasileiro
IE.CONTRACTS_VALID_PAR.CO_ACRONYM	PETROBRAS
IE.CONTRACTS_VALID_PAR.INTERESTS	40
IE.CONTRACTS_VALID_PAR.OPER_FLAG	N
IE.CONTRACTS_VALID_PAR.DIREC_FLAG	Y
IE.CONTRACTS_VALID_PAR.BLOCK_STAT	Surf Expl/Drilling
IE.CONTRACTS_VALID_PAR.LIC_RND_DS	<null>
IE.CONTRACTS_VALID_PAR.GN_CLASS	Contract
IE.CONTRACTS_VALID_PAR.GN_CON_TYP	License/Lease
IE.CONTRACTS_VALID_PAR.BLK_VALID	Y
IE.CONTRACTS_VALID_PAR.CON_VALID	Y
IE.CONTRACTS_VALID_PAR.FARMED_OUT	N
IE.CONTRACTS_VALID_PAR.LAST_STAGE	Y
IE.CONTRACTS_VALID_PAR.PAR_ID	100000077473
IE.CONTRACTS_VALID_PAR.PU_ID	100000029185
IE.CONTRACTS_VALID_PAR.DATUM	SOUTH AMERICA
IE.CONTRACTS_VALID_PAR.DB_UPDATE	12/3/2002
IE.CONTRACTS_VALID_PAR.DATE_OF_LAST_LOAD	3/9/2003
IE.CONTRACTS_VALID_PAR.REASON_OF_FAILURE	SHAPE : validate
IE.CONTRACTS_VALID_PAR.OBJECTID	146340

Display Source

Drawing

Arial

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B I U

45°11'29.97"W 24°55'9.42"S



Any Questions?

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