

Friday, 14 July - 0930-1030 -- Data Base Management - Dino A. Brugioni

Satellite Photography

(Factors to Consider when Planning Data Systems)

Essentially Synoptic System

Observe Larger Patterns (Broad Scale Observation)

Broad Variety of Phenomena Observed

"Rediscovery" Process

"Bonus or "Serendipity" Effect

(Accidental Discovery of Things we do not Seek)

Historical Record

Consistent Worldwide Data System

Allows for an Ecosystem

Allows for Rapid Production of Maps and Charts

Technical Limitations (Scale and Resolution)

Only Data System for Some Areas of the World

Only Seasonal Data System for Others

Currency of Material

Volume (much greater than all other photo systems)

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Data Management

Planning and Decision Making - (The Most Important Problem)

Theoretical - Practical Considerations

Definition of Requirements

Definition of Data Needs

Quantity of Data to be Handled

Variety of Data to be Handled

Questions to be asked of the Data

Degree of Sophistication Required

Retrieval Speed Required

Accessioning of Data - (Textual and Graphic)

Correlation and Integration with Other Data

Dissemination of Data

Data Compaction

Downgrading - Sanitization

Data Discarding

Future Considerations

Technical - Economic Limitations

Procurement and Training of Talents Required

Feedback

Central or Regional Data Banks

Reproduction

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WINDING PAPER

Structuring of Data

Type of Indexes Needed

Classification - Security and Type of Data (Basketizing)

Location of Installation (BGN)

Name of Installation

Identification Numbers

Category Codification

Cross References

Mission

Numbers (Date, Scale)

Pass

Frame

Location of Frame

Film Can

Sensor

Statistical

Retirement of Data

Vital Records

Additional Features

Selective Release of Information

Capability to Handle

Dynamic Data

Slowly Changing Data

Static Data

Flexibility and Expandability

New Systems

"Bonus" or "Serendipity" Effect

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Establishment Values for Data

Trade-off (Time for Detail)

Cost-Benefit Alternatives

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Establishment of Standards

Format

Place Names (BGN)

Codification Schemes

Map and Chart Production

Presentation of Other Data

Abbreviations

Terminology

Identification Numbers