

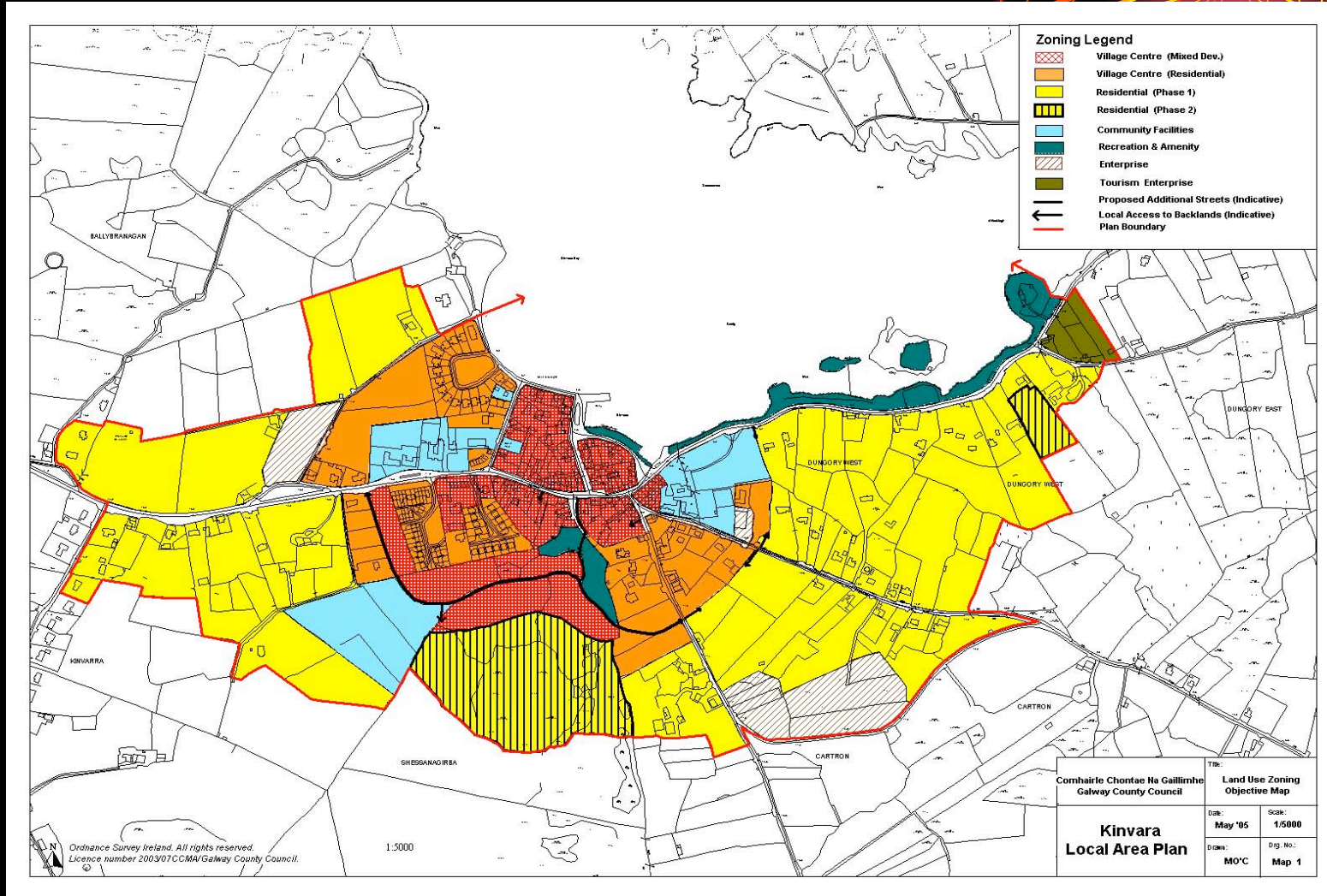


GIS Applications in Integrated Area Planning

LEADER + Seminar

Biercée Nov. '05

GIS Applications in IAP

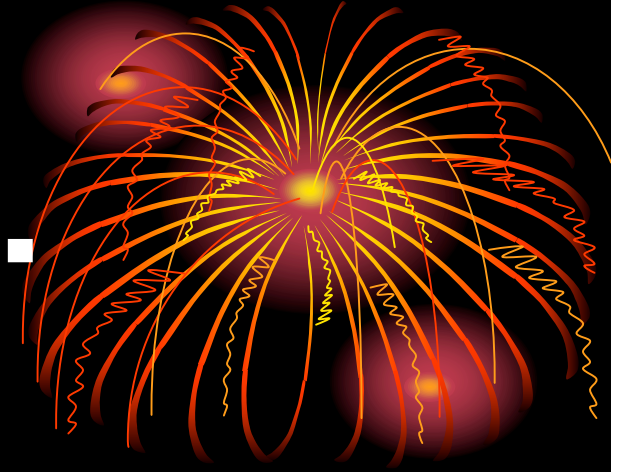


GIS Applications..



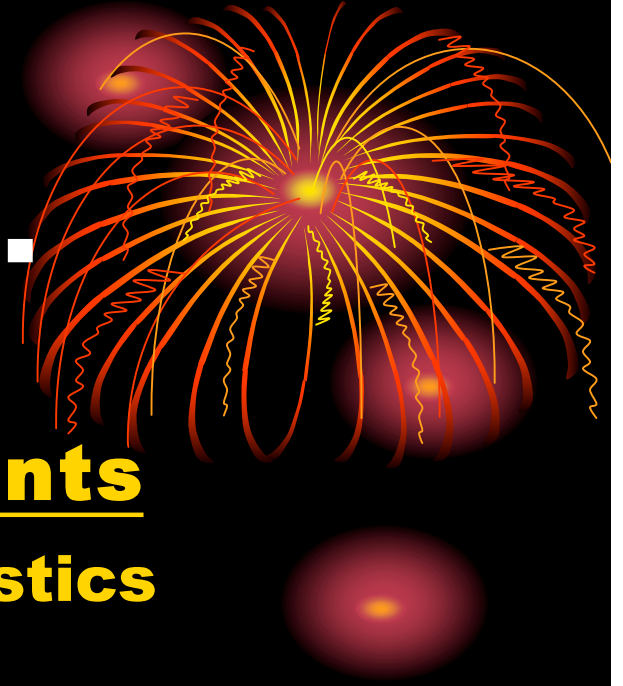
- **Introduction**
- **Information Requirements**
- **Planning for Sustainability**
- **Conclusion**

GIS Applications...



- **Introduction**
 - **Forward looking process**
 - **Heavily dependent upon information**
 - **Integrated nature of development/interdependent**
 - **GIS provides information mainly in spatial context**
 - **Levels of engagement with process (identification to evaluation)**
 - **Different way of looking at issues**

GIS Applications...



- **Information Requirements**
 - **Local Population Characteristics**
 - **Local Geographical/physical characteristics**
 - **Environmental Resources/Quality of Environment**
 - **Economic Resources**
 - **Infrastructure Resources**
 - **Cultural Identity**
 - **Social Services Provision**

GIS Applications



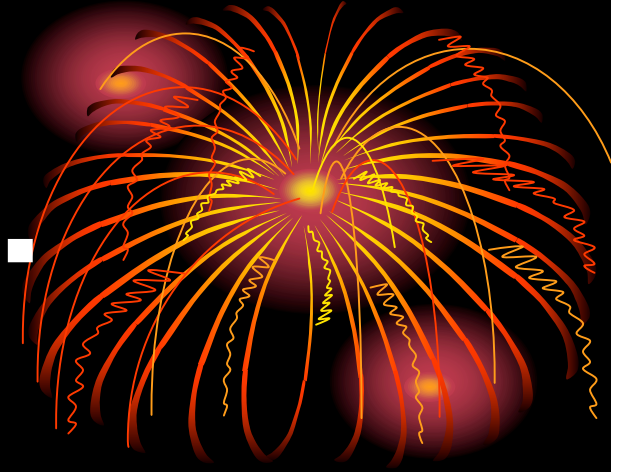
- **Planning for Sustainability**
 - **GIS helps with identification of key issues**
 - **Participative Mapping**
 - **Helps ensure that conditionalities are addressed**
 - **Helps in the development of options and 'what if' scenarios**
 - **Facilitates an understanding of 'real world' conditions**

GIS Applications...



- **Planning for Sustainability**
 - **Optimising Resources/resource use**
 - **Environmental Planning – Green Mapping**
 - **Ownership of Resources**
 - **Proactive Planning**

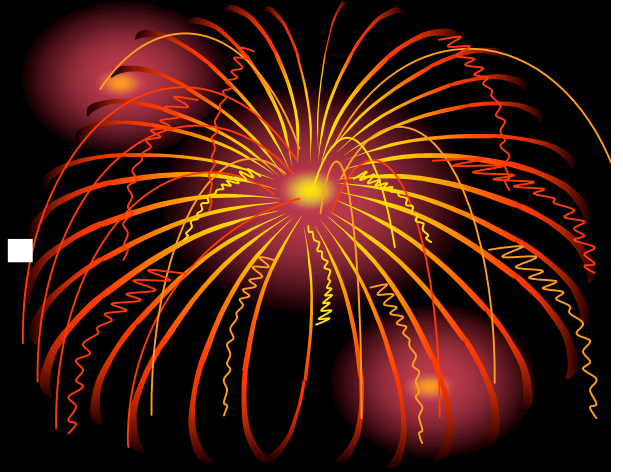
GIS Applications...



- **Conclusion**

- **Helps decision making processes**
- **Helps identification and assessment processes**
- **Promotes greater interactions**
- **Helps ensure that proposed outcomes are consistent with sustainable development principles**
- **Helps reflect trends**

GIS Applications...



- **Conclusions**

- **Environmental management best practice**
- **Readily understandable format – promotes inclusiveness**
- **Facilitates development of options**
- **Helps monitoring and evaluation**
- **FUN!!**