GIS and document management system

Work Together

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(ISPIK S.A)

The **Municipality of Kielce in 2008** asked ISPIK to develop a pilot system based on GIS and document management in the department of Architecture. The technology components delivered by the ISPIK include **ISDS** (Internet Spatial Data Server**)** and **SOWA** Document Management System (DMS). With this project, the goal was not only to present data, but to provide coherent information assembled from two *main automated data sources: mainframe legacy database and GIS.*

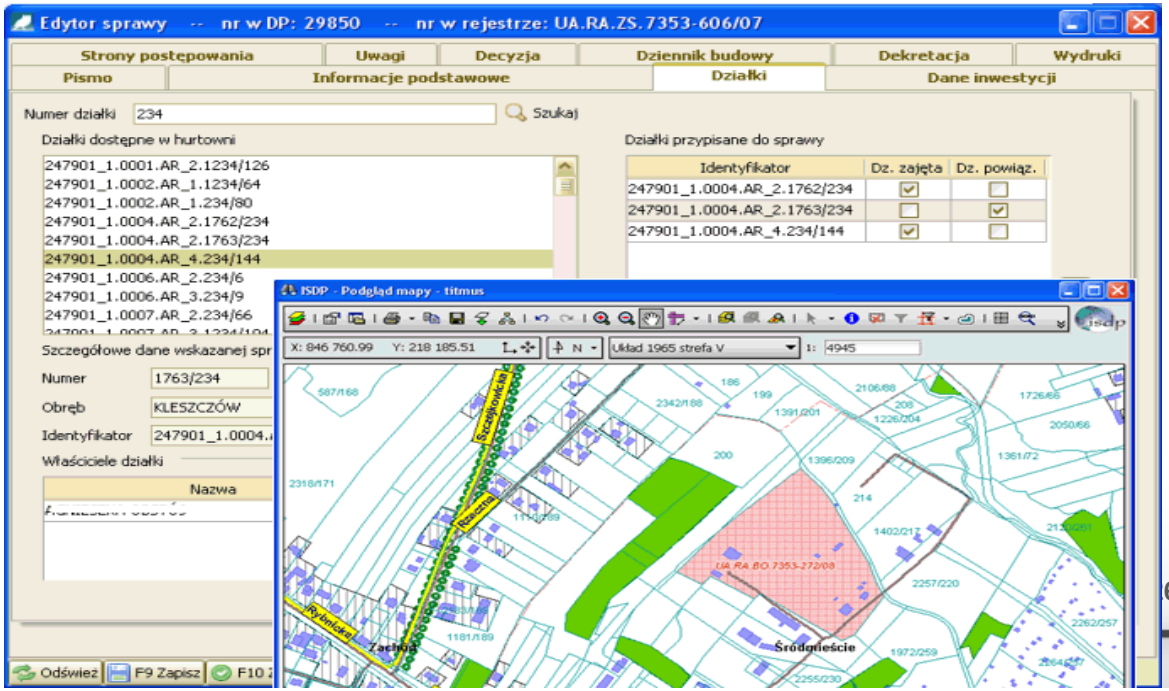
Since 2008 integrated GIS and DMS system covers a growing number of departments

An example of use of INSPIRE services and E-government in the UM Kielce

Access to spatial data

SOWA
System Obsługi Wniosków Administracyjnych

Handling Administrative Procedures and workflows



Origin of ISDS

ISDS was fully developed at the Institute of Spatial and Cadastral Systems as a result of various research, development and implementation projects. ISDS is a complex and ready to use system for the end user as well as a software tool for developing web mapping applications.

Briefly ISDS may be described as:

- **An information system and spatial database, which together make it possible to collect, update and provide access to interactive maps and lists of the map object attributes within the environment of WWW browser**
- **A platform which makes it possible to create individual applications based on Internet technologies.**

What is ISDS for?

ISDS is used to provide access to spatial data within the Internet/Intranet environment. It is a sophisticated server, which allows any number of users to access information resources stored in a relational database and view the information in a form of interactive maps and list map object attributes within a WWW browser. The users can search and look through spatial database resources, display data and documents integrated from different sources and carry out complex description and spatial analysis.

ISDS makes possible to visualize interactively spatial data in the form of maps, images and reports through a WWW browser. To do these, users do not need to have sophisticated (and often expensive) software of GIS or CAD type. User access to the system is through the Internet and is controlled by the appropriate authorization procedure during the logon.

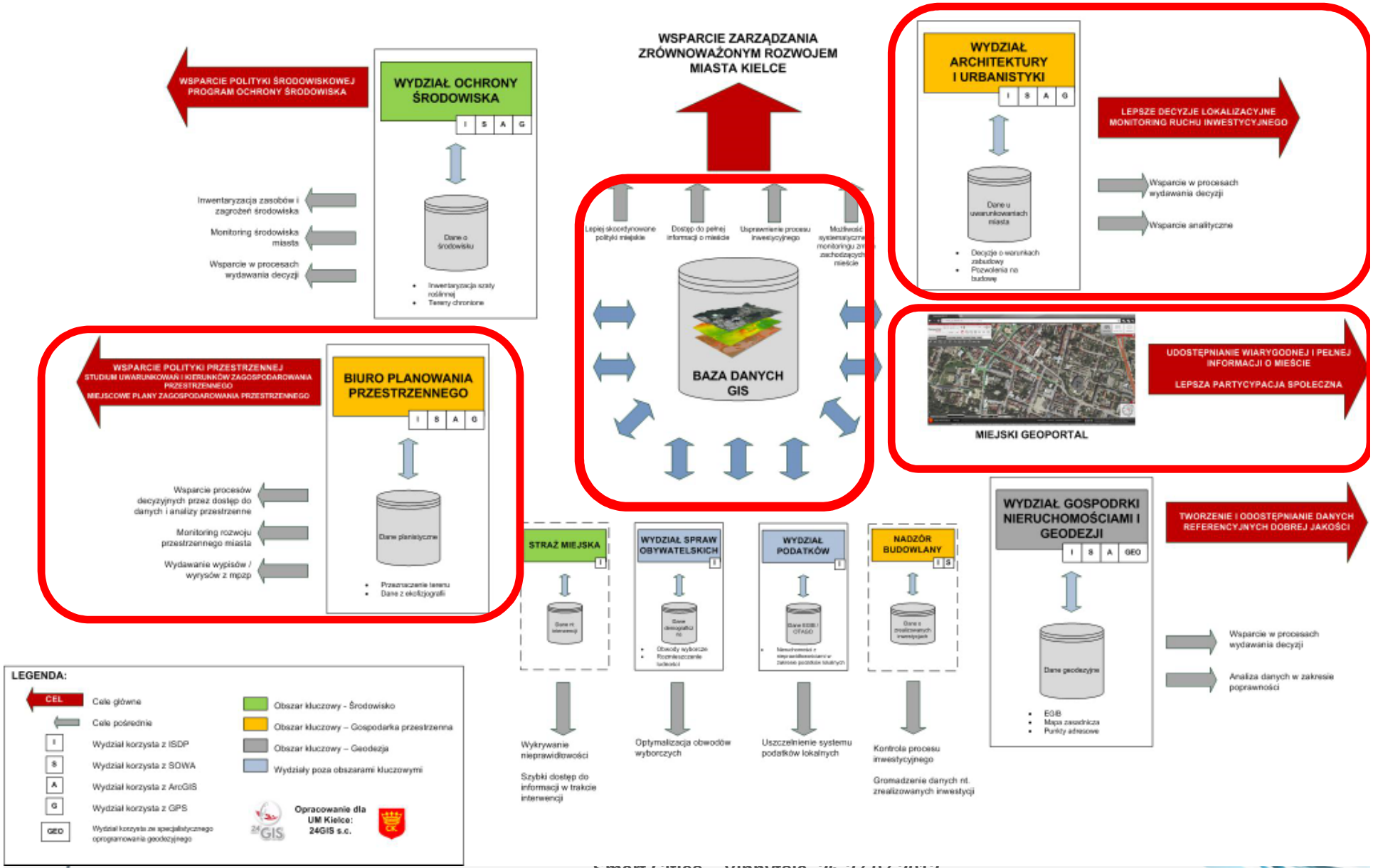
Origin of SOWA

SOWA was also fully developed at the Institute of Spatial and Cadastral Systems due to the lack of spatial data solutions that integrate document management systems.

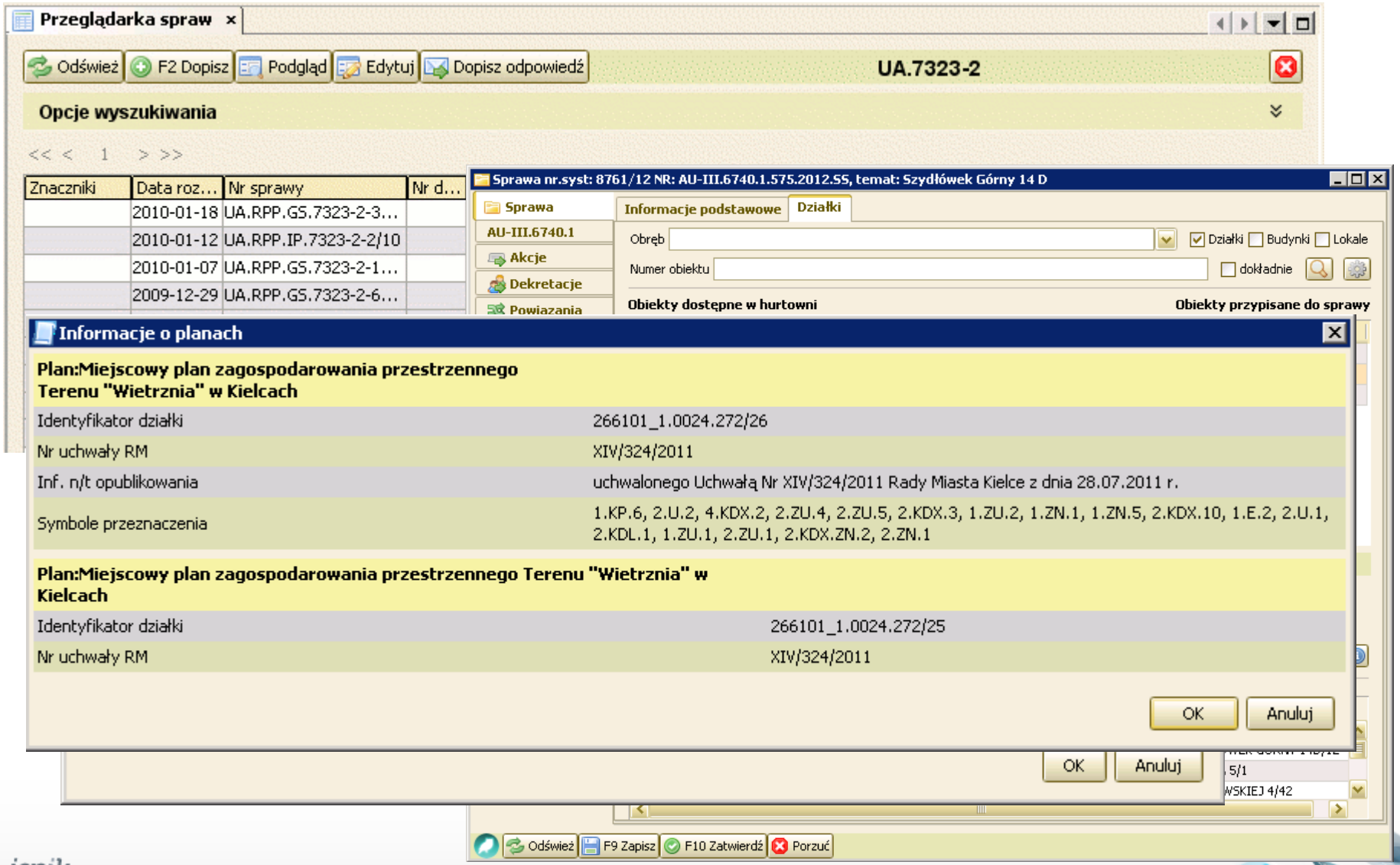
Briefly SOWA may be described as:

- **A system that improves the process flow of documents and exchange of information in public administration offices.**
- **A system facilitates and accelerates the process of issuing a decision. The documents, which previously had a traditional form can now be archived and distributed in digital form.**

MIEJSKI SYSTEM INFORMACJI PRZESTRZENNEJ W KIELCACH (STAN NA WRZESIEŃ 2011 r.)



Integration with ISDS Map Server



Integration of ISDS and SOWA

Intranet | Internet

- PARCEL OWNERS
- LAND USE
- AERIAL IMAGERY
- STREETS AND ADDRESSES
- OTHER MAPS
- SOIL-AGRICULTURAL MAP
- TAX INFORMATION

automated update

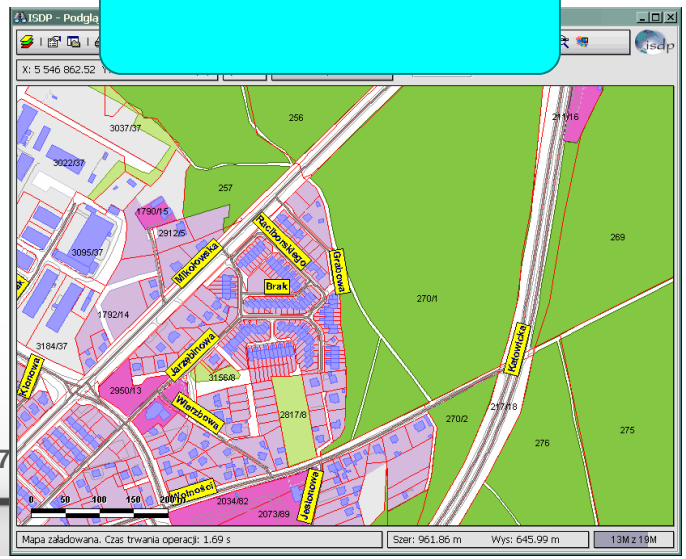
Spatial database

isdp

IPE-PN

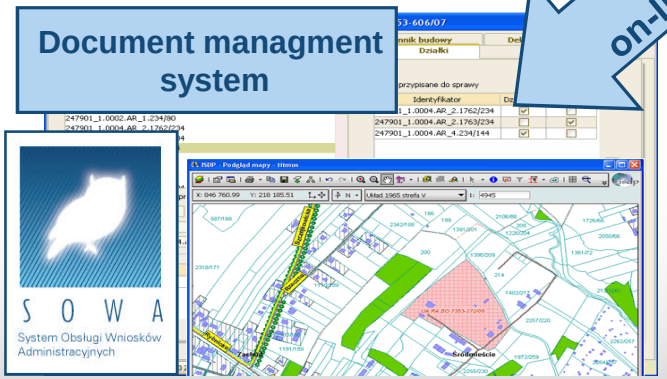
Internet – WWW

Itranet map viewer



on-line

Document managment system



S O W A
System Obsługi Wniosków Administracyjnych

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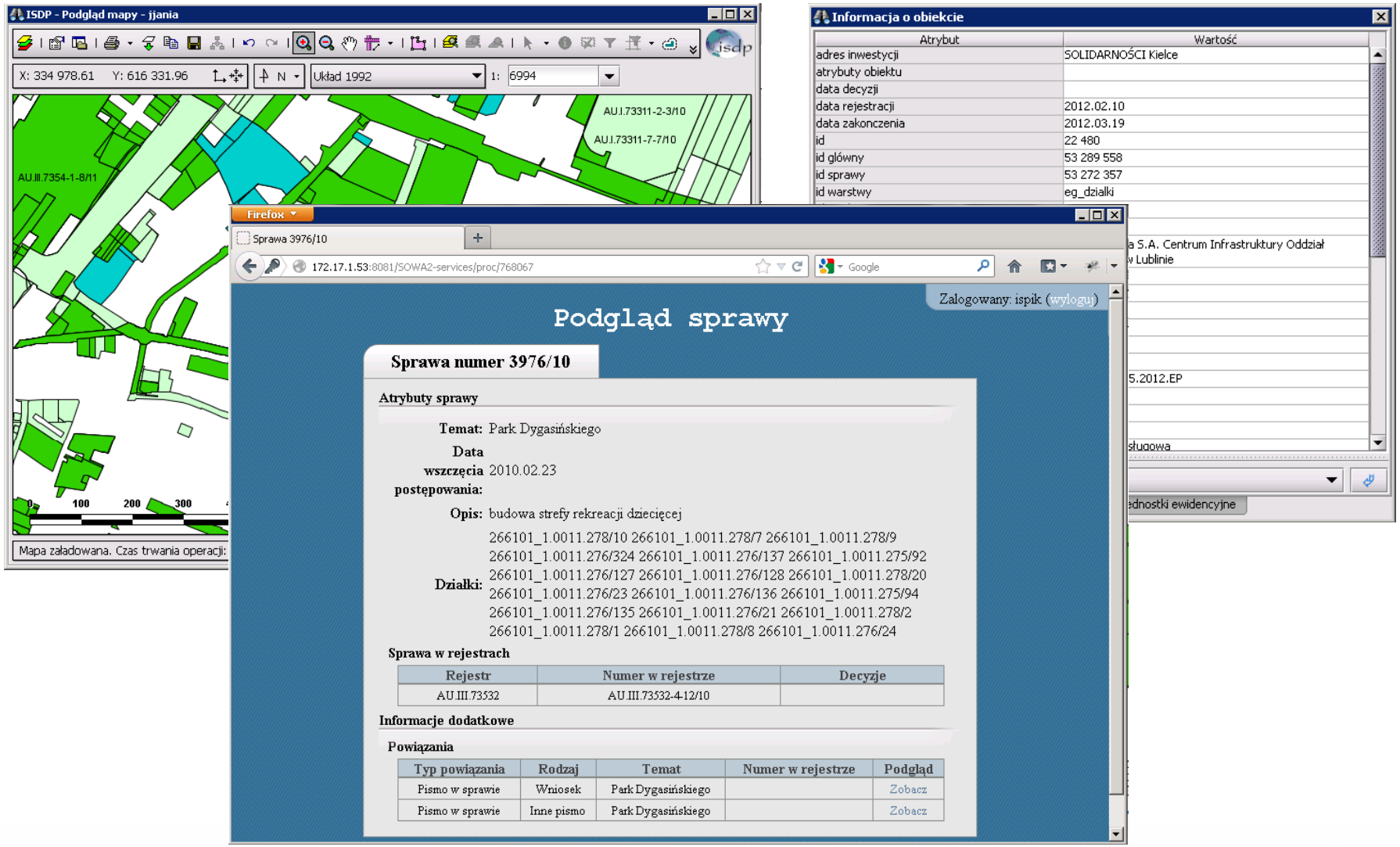
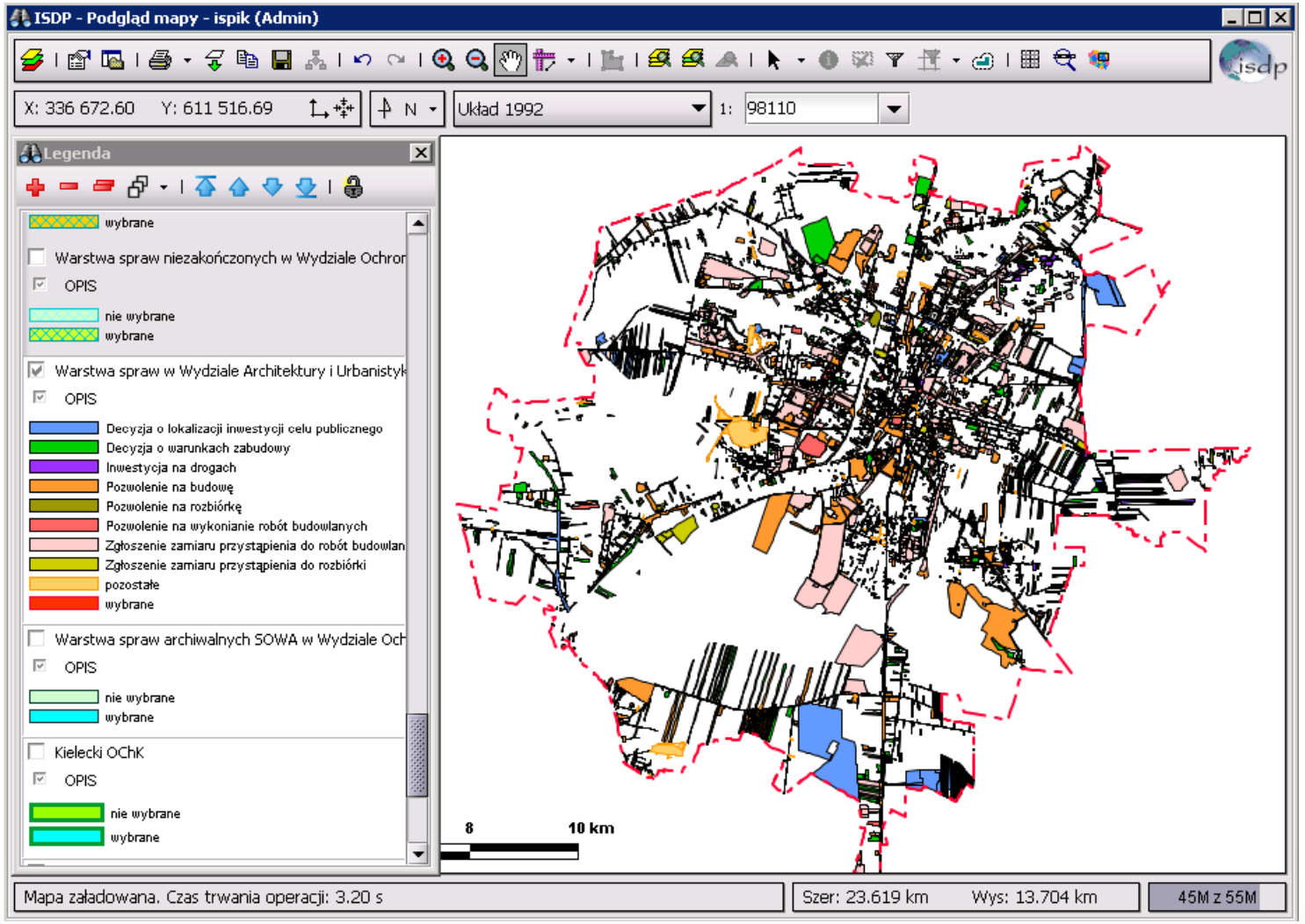
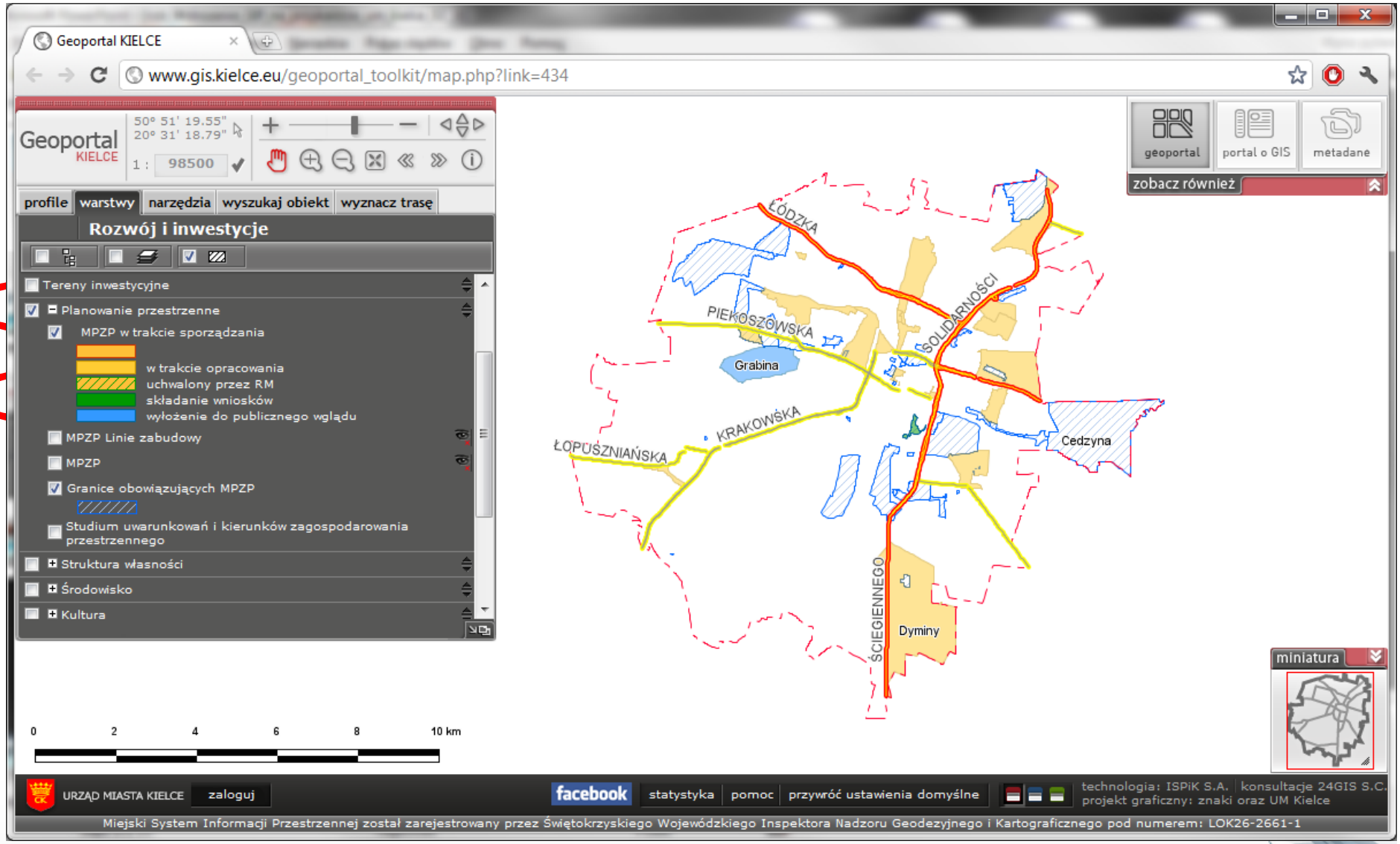
Integration with SOWA Document Management System



Integration with SOWA - Document Management System



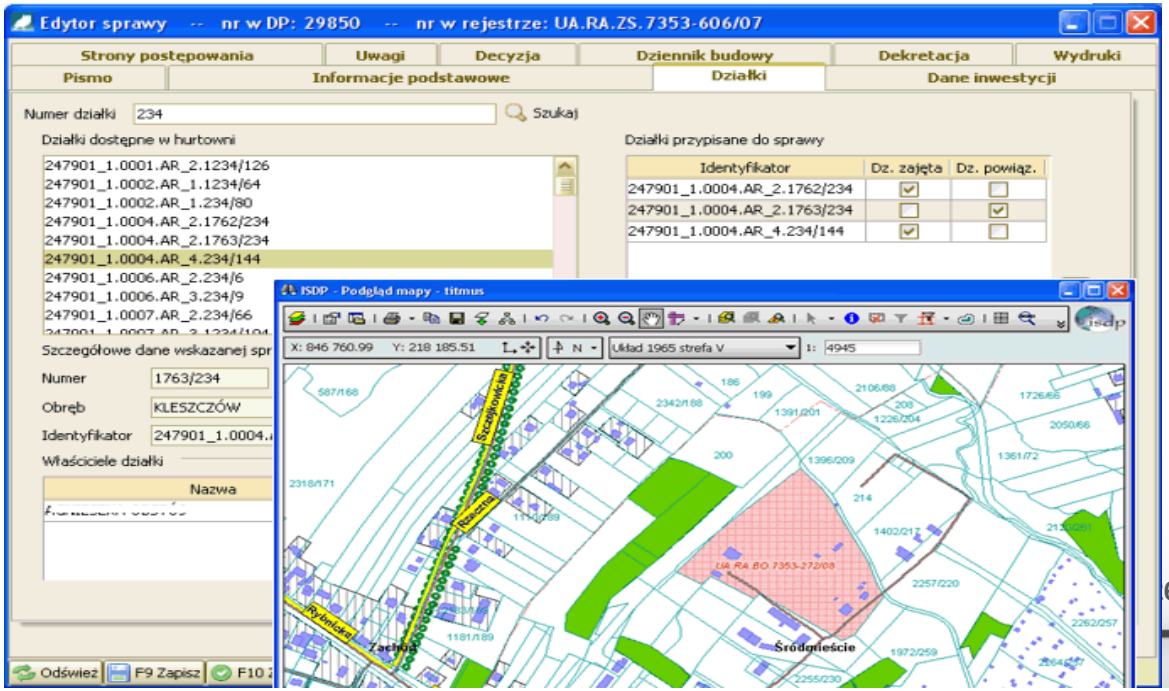
Geoportal


Geoportal KIELCE
www.gis.kielce.eu/geoportal_toolkit/map.php?link=434
Geoportal KIELCE
50° 51' 19.55"
20° 31' 18.79"
1 : 98500
profile
warstwy
narzędzia
wyszukaj obiekt
wyznacz trasę
Rozwój i inwestycje
Tereny inwestycyjne
Planowanie przestrzenne
MPZP w trakcie sporządzania
w trakcie opracowania
uchwalony przez RM
składanie wniosków
wyłożenie do publicznego wglądu
MPZP Linie zabudowy
MPZP
Granice obowiązujących MPZP
Studium uwarunkowań i kierunków zagospodarowania przestrzennego
Struktura własności
Środowisko
Kultura
geoportal
portal o GIS
metadane
zobacz również
ŁÓDZKA
PIEKOSZOWSKA
SOLIDARNOŚCI
Grabina
KRAKOWSKA
ŁOPUSZNIAŃSKA
Cedzyna
ŚCIEGIENNEGO
Dyminy
miniatura
0 2 4 6 8 10 km
URZĄD MIASTA KIELCE
zaloguj
facebook
statystyka
pomoc
przywróć ustawienia domyślne
technologia: ISPiK S.A. | konsultacje 24GIS S.C.
projekt graficzny: znaki oraz UM Kielce
Miejski System Informacji Przestrzennej został zarejestrowany przez Świętokrzyskiego Wojewódzkiego Inspektora Nadzoru Geodezyjnego i Kartograficznego pod numerem: LOK26-2661-1

Other possibilities of integrating DMS and GIS

Access to spatial data

Handling Administrative Procedures and workflows



DMS

External document managment system

ispik
motto:
Postępu nie da się zatrzymać!
Progress cannot be stopped!
THANK YOU FOR YOUR ATTENTION