

# FUTURE POLICY MODELLING (FUPOL)

## COMPETITIVE ADVANTAGES

# Integrated ICT Tools for E-Governance & E-Participation

Agenda  
Setting  
(Demand)

Analysis

Policy Design  
Formulation

Implementation

Monitoring

**FUPOL** **Integrated** Technology Solution  
E-Services to support the policy-lifecycle  
involving all stakeholders



Citizens



Politicians

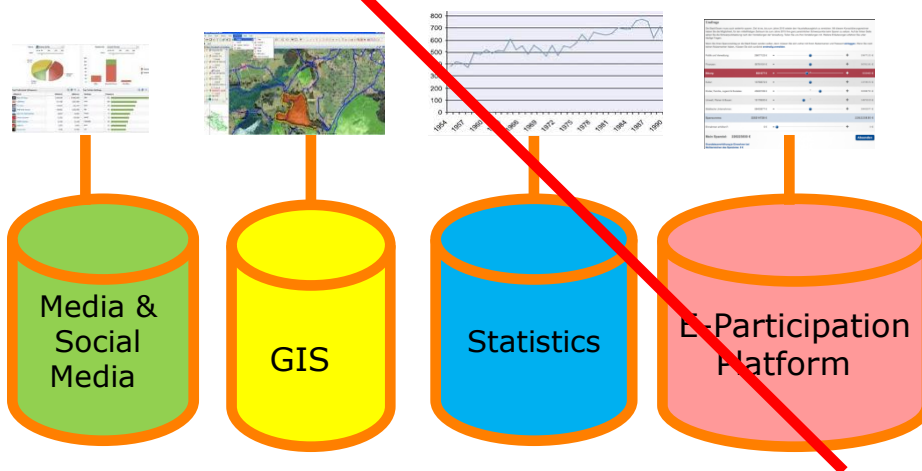


Civil Servants

# FUPOL is fully integrated

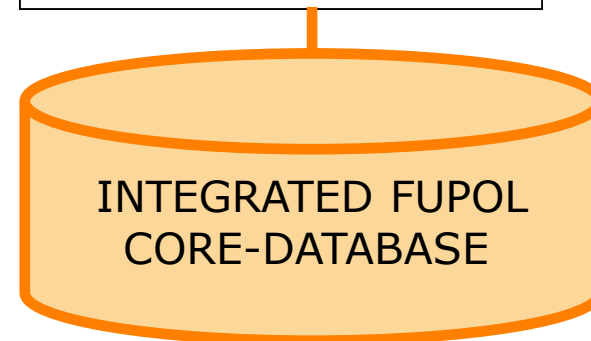
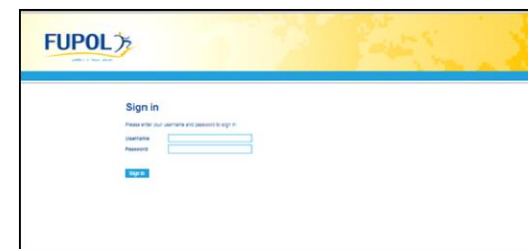
## VARIOUS SOFTWARE PACKAGES

- Different User Interface
- No Data Integration



## FUPOL

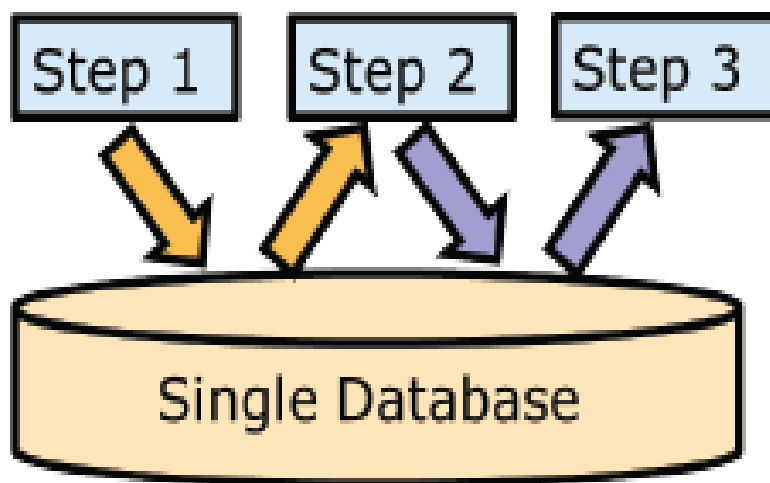
- Single Sign-On
- Integrated GUI
- Integrated Database



# Data integration for efficient workflows

## Data Integration

- Central repository integrates data from multiple source systems and ensures data consistency across all steps of the policy lifecycle.
- Data generated in one policy lifecycle process are used for the next step.

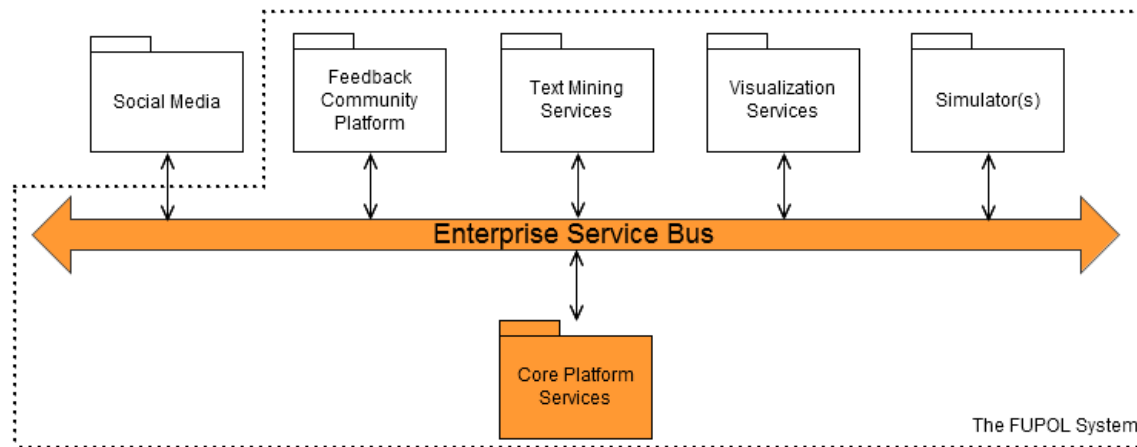


# FUPOL is open and future-proof

## Open SOA Architecture

- Easy enlargement additional new modules
- Easy enlargement with new data sets and sources (e.g. big data)

FUPOL Architecture, Level 1



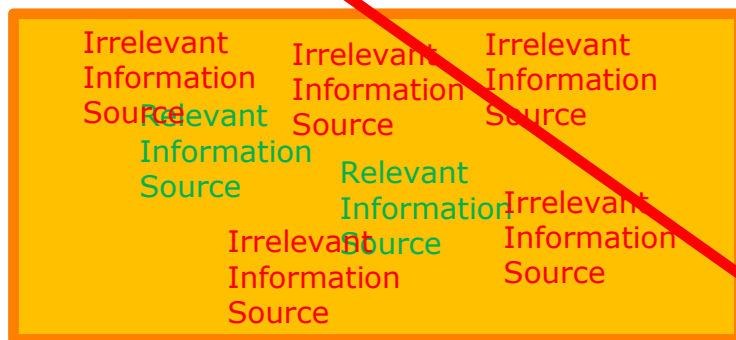
The orange modules/systems are part of the core platform

# FUPOL Media Sourcing

## Flexible, open and user defined

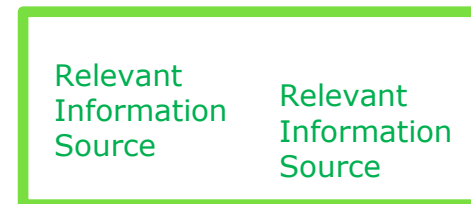
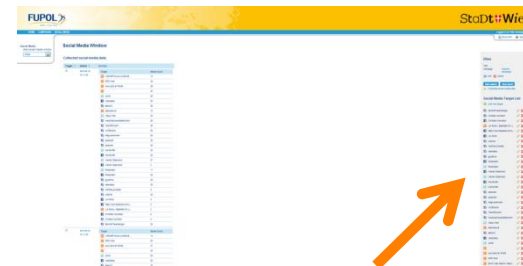
### TRADITIONAL MEDIA SOURCING

- Many fixed sources
- Relevant sources cannot be added
- Keyword based filters
- Difficult to filter irrelevant content



### FUPOL

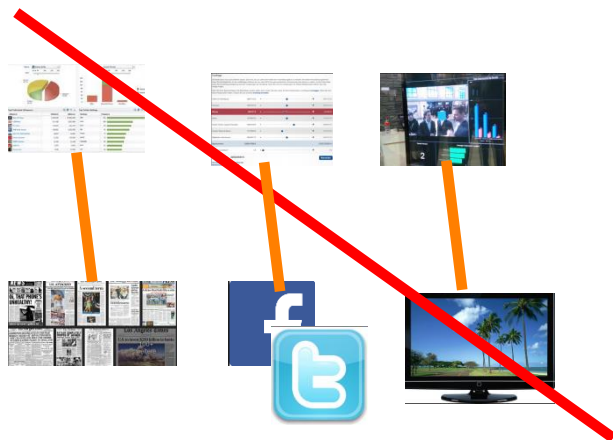
- Flexible and open
- User can select only relevant sources
- Reduces irrelevant text in news, postings between 80 % and 90 %
- Facilitates analysis



# FUPOL Integrated Analytics Full Media Coverage

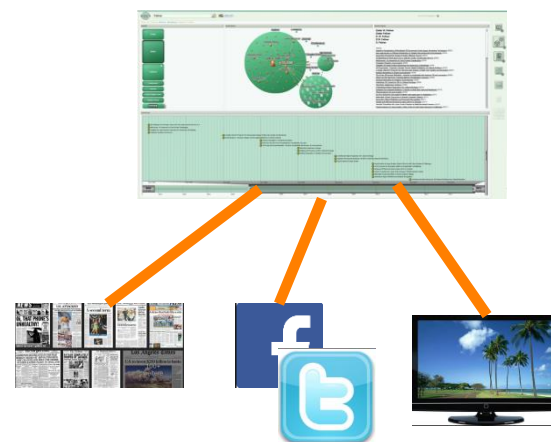
## TRADITIONAL MEDIA ANALYTICS

- Different systems and processes to monitor
  - TV/Radio
  - newspapers
  - social media



## FUPOL

- Full media coverage – social media, newspapers and TV/Radio
- Single Window
- Integrated Analytics



# FUPOL Hot Topic Sensing and Topic Summarization



## TRADITIONAL MEDIA ANALYTICS

- Background brand marketing
- Fixed topics
- Language dependent
- Keyword based search
- No summarization

## FUPOL

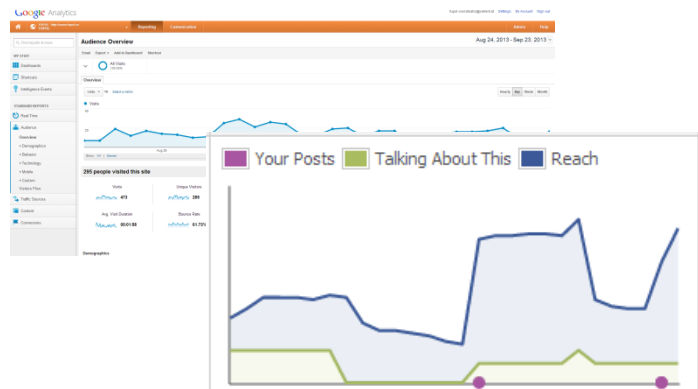
- Background policy analysis
- Clustering of similar articles & postings to dynamically created topics
- Language independent statistical algorithm
- Topic summary reflects the opinions of the articles / postings in brief.
- Drill-down from topic to further details (country -> person -> single posting / article)





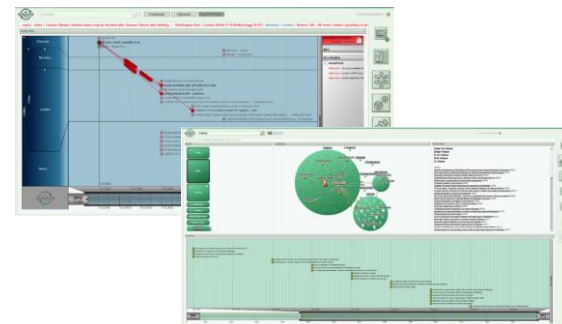
## TRADITIONAL MEDIA ANALYTICS

- Static visualizations
- Limited or no drill-down capabilities



## FUPOL

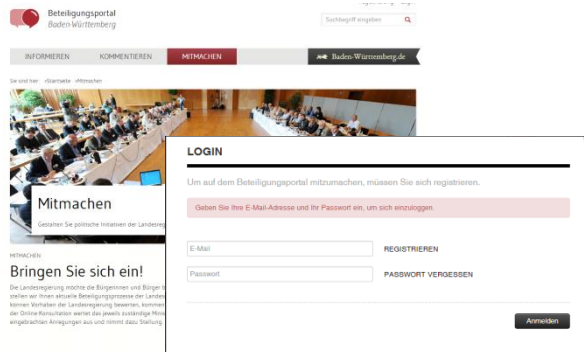
- Interactive user driven visualizations
- Drill-down from topic to further details (country -> person -> single posting / article)



# FUPOL Active Citizen Participation

## TRADITIONAL PLATFORMS

- Specific Platforms
- Users must register in the platform and log-in
- The URL of the platform is not known to users and must be promoted first
- This is a barrier and reduces reach and acceptance



## FUPOL

- Anonymous or Login through social media (Facebook, Twitter..)
- Easy implementation: Opinion maps and questionnaires can be embedded on any websites or blog



# FUPOL Visualization of statistical data

## TRADITIONAL PLATFORMS

- Indicators and related explanatory variables must be selected
- Data sources cannot be changed



## FUPOL

- Intelligent visualization: Once an indicator is selected related indicators are proposed
- Import of variable data sources
- Various visualizations (Time-series, geo-located variables and influences on geographical maps, combination of various visualization types )

