# MOBILISE CALL

**Financial Support for Third Parties**

# Ideathon Report
# Part A (Public)

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| Pilot Region | *region of Šumava and the Bavarian Forest* |
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# Executive Summary

The Ideathon in Klatovy was implemented as a two-day innovation workshop aimed at identifying digital solutions to strengthen rural–urban interactions in the Czech–Bavarian border region. The event was aligned with the objectives of the Mobilise programme, which supports community-driven innovation through the use of artificial intelligence, open data and PoliRuralPlus tools. The Ideathon enabled students, experts, rural and urban stakeholders to collaborate on concrete proposals reflecting the real needs of the region.

## Preparatory Phase

The preparation of the project took place between June and August and involved extensive communication with stakeholders across agriculture, regional food production, tourism, education and regional development. Numerous in-person meetings were held at conferences, interest-group sessions and regional events in both the Czech Republic and Bavaria.

In August, two thematic workshops and several online meetings were organised. These resulted in the definition of four key challenges for the Ideathon.

At the same time, an intensive promotional campaign was carried out. An article about the Ideathon was published in *Rozhled*, the most widely read regional monthly (Klatovy + Plzeň regions). The invitation to participate was also published on the notice board of the Úhlava Education Centre and shared widely on Facebook, reaching numerous local community groups. The goal was to ensure maximum outreach among young people as well as the professional public.

## Course of the Two-Day Ideathon

The Ideathon took place at the end of September, on 25–26 September 2025, and was attended by four student teams. Given the number of teams, it was decided that each team would work on one specific challenge, enabling a deeper exploration of the assigned topic. The teams received their detailed challenge descriptions approximately 14 days in advance, which had a clearly positive impact on their preparation and the quality of their final proposals.

### Introductory Session

- the organising institution Úhlava, o.p.s., was introduced,
- IT experts and university lecturers presented existing digital solutions (e.g., project Theros, JackDaw, AI tools),
- representatives of agriculture, regional food production, tourism and regional development also presented their perspectives.

Each stakeholder was subsequently assigned to a team based on the thematic focus and provided consultations throughout the event, answering expert questions and helping students understand real user needs.

## Teamwork and Solution Development

Throughout the Ideathon, intensive mentoring took place. The second day was dedicated to finalising the designs, consulting technical details and preparing presentations. Each team then presented its solution to a professional jury.

The jury consisted of IT specialists, regional stakeholders and practitioners. It evaluated the technical level of the proposal, the quality of the presentation, the fulfilment of the assignment and team collaboration. All teams delivered an above-standard performance; therefore, it was decided that the final professional excursion would not only be for the winning team but for all participants.

According to the evaluation criteria, the winning team was Gymnázium J. Š. Baara from Domažlice.

## Identified User Needs

Based on discussions, workshops, analytical materials and consultations, four main groups of needs were identified:

1. Better access to regional data and digital tools for municipalities, service providers and farmers.
2. Improved clarity and accessibility of regional information for young people, especially concerning education, employment and leisure opportunities.
3. Support for local producers, strengthening the links between farmers, restaurants and customers.
4. Sustainable management of tourism, including the promotion of less-known locations.

## Innovative Solutions Developed

The four student teams developed four complete prototype concepts:

- **Regional Student Portal (GymKT)** – a digital platform for navigating education, employment and leisure opportunities.
- **ViaPoint (Domažlice)** – an application for personalised tourist routes with a focus on balancing regional visitor flows.
- **FarMAppka (AgriFarm)** – a tool for connecting farmers, supporting local production and sharing regional food offerings.
- **Regional Information Portal SZES Klatovy** – an overview of opportunities and cooperation for vocational agricultural schools.

## Use of PoliRuralPlus Tools

During the Ideathon, the following were used in particular:

- analytical outputs from the PoliRuralPlus Hub,
- testing of JackDaw and MapWhiteboard,
- territorial attractiveness data and regional demographic data,
- map materials and spatial information from public sources,
- concepts for connecting existing regional databases.

These materials enabled students to formulate proposals in accordance with real data and the actual needs of the region.

## Final Professional Excursion

On 18 November 2025, a full-day excursion for all participating teams was held at the laboratories of the University of West Bohemia in Plzeň and the Czech Technical University in Prague. Students saw advanced technologies — drones, robotic systems, plasma laboratories, AI applications and metal 3D printing — and gained a clear understanding of how their ideas could evolve into real projects.

## Expected Impact of the Project

The project significantly strengthened rural–urban connections through:

- the direct involvement of stakeholders from both environments,
- identification of topics that transcend the Czech–Bavarian border,
- the development of digital tools with potential for further advancement,
- the improvement of digital literacy among students, municipalities and the professional public.

The Ideathon confirmed that the Pošumaví–Šumava–Bayerischer Wald region has strong innovation potential and that the engagement of the younger generation can significantly support its future development. The project established a foundation for long-term use of AI, open data and digital solutions in rural areas.

# 1. Objectives and Structure of the Ideathon

The Ideathon in Klatovy was designed as a two-day intensive innovation event focused on identifying digital solutions for current challenges in the Czech–Bavarian border region. The event was structured in alignment with the objectives of the Mobilise open call, serving as a tool to support community-driven innovation, strengthen digital skills, and enhance interactions between rural and urban areas. The Ideathon brought together students, industry professionals, public administration, entrepreneurs, and representatives of agriculture and tourism in a joint process that resulted in concrete solution proposals based on the real needs of the region.

## Main Objectives of the Ideathon

1. **To identify key regional challenges** in line with the needs of both rural and urban areas, particularly in the fields of:
    - agriculture and the digitalisation of agrarian processes,
    - smart and sustainable tourism,
    - regional food systems and local production,
    - regional planning and data-supported decision-making.
2. **To support the creation of innovative digital ideas** that could later be developed into functional prototypes or publicly usable services.
3. **To utilise PoliRuralPlus tools**, especially data sources, GIS layers, territorial attractiveness analyses, and advanced applications (e.g., JackDaw), as a foundation for the teams' work.
4. **To connect rural and urban stakeholders** so that students could work with real user feedback — provided directly by farmers, service providers, mayors, tourism professionals and regional producers.

5. **To encourage cross-sector collaboration**, particularly between IT specialists, students, practitioners and the public sector, thereby creating a foundation for future regional innovation activities.

# Thematic Focus of the Ideathon

The thematic areas were defined during the project's preparatory phase, based on consultations with stakeholders, expert workshops and regional analyses. The outcome was four key challenges that correspond to the priorities of regional development:

## 1. Agriculture and Production Digitalisation

In the regions of Šumava, Pošumaví and the Bavarian Forest, agriculture remains a traditional economic pillar, yet it faces rapid technological changes and growing climate-related challenges. Farmers today need faster and more accurate information to manage production efficiently and reduce losses.

A key need is **better access to data** - presented in a unified, clear and practical form. Local producers often struggle with the fragmentation of information: weather data are available on one portal, soil information elsewhere, crop histories are stored in LPIS, input prices change according to market fluctuations, and subsidy conditions are updated continuously. This leads to information overload, complicating everyday decision-making.

The challenge is therefore to **simplify access to data** and enable farmers to work with tools that:

- integrate weather, soil information and historical crop rotations,
- offer an overview of fertiliser, feed, energy and commodity prices,
- provide recommendations for fertilisation or crop selection,
- issue alerts regarding subsidy opportunities and obligations,
- support farm-level economic planning.

Digital tools based on AI can significantly increase production efficiency, reduce costs and move local agriculture towards sustainable and modern practices.

## 2. Smart and Sustainable Tourism

Tourism is one of the region's key economic sectors, yet its development is uneven. While certain locations - especially central Šumava - become overloaded in peak season, other areas remain almost unnoticed.

The challenge is to **better manage visitor flows**, prevent the overloading of sensitive sites and simultaneously support the economy of less-visited areas.

Key needs include:

- tools for **monitoring visitor numbers** and early warnings of overcrowding,
- promoting **less-known attractions**, cultural sites and local businesses,
- personalised trip planners that reflect user interests, seasonality and current conditions,
- **cross-border planning** within the CZ-DE region,
- AI-driven recommendations for routes, experiences and activities using available data,
- gamification elements motivating visitors to discover less frequented places.

Sustainable tourism can therefore contribute not only to environmental protection but also to a more balanced regional development.

## 3. Regional Food and Gastronomy

The region is rich in small producers, family farms, processors and traditional gastronomy. However, many local businesses lack visibility and struggle to connect effectively with restaurants, retail outlets and tourists.

The main challenge is to **connect the entire food value chain** and create an environment where local products are easy to find, access and promote.

Specific needs include:

- better overview of local farms, products and purchasing options,
- efficient **logistics solutions** - shared transport, joint distribution or direct delivery,
- a digital catalogue of regional food products,
- tools to register seasonal products and their availability,
- systems linking producers with restaurants and the tourism sector,
- support for "gastronomic routes" and thematic trails,
- integration into tourist applications and maps.

Digital tools can make regional products more visible and strengthen the local economy, especially in smaller rural communities.

## 4. Regional Planning and Funding

Regional planning in Šumava, Pošumaví and the Bavarian Forest is strongly influenced by complex administrative procedures and limited access to up-to-date information. Many municipalities operate with small teams, often just one or two people who must simultaneously manage development projects, community needs and daily administration.

A key challenge is therefore the **simplification of access to funding opportunities** and the creation of tools that support strategic, data-driven decision-making at the local level.

Municipalities need:

- clear and regularly updated overviews of national and European funding programmes,
- filtering tools that display only relevant opportunities based on a municipality's profile,
- support for preparing project ideas and linking them with suitable funding streams,
- access to spatial and demographic data for better planning,
- easy-to-use digital services that reduce administrative burden,
- integration of regional data (agriculture, tourism, demographics, environment) into interactive maps,
- cross-sector coordination between municipalities, tourism actors, farmers and other stakeholders.

Improving digital access to information and connecting municipalities with data sources can help them plan more effectively, respond faster to changes and support long-term regional development. AI-driven tools can also help predict risks (e.g., overtourism, flooding, demographic shifts) and propose preventive measures, allowing for more resilient and sustainable rural–urban dynamics.

Each student team ultimately worked on only one topic, which allowed for a deeper immersion into the issue and resulted in higher-quality design outputs. All registered teams received their assigned topics approximately 14 days before the event, which enabled the students to prepare thoroughly in advance..

# Structure and Organisation of the Two-Day Ideathon

The Ideathon was organised in a way that encouraged creativity, teamwork and active interaction between participants and stakeholders. The event was divided into three main phases:

## Phase 1: Introduction, Problem Definition and Inspiration Block

*(first day – morning)*

- Introduction of the organising institution Úhlava, o.p.s., and the purpose of the event.
- Presentations by experts in IT, programming and digital platforms.
- Introduction of the Theros project, AI tools, JackDaw, and other relevant systems.
- Presentation of all thematic challenges, including their regional context.
- Contributions from stakeholders representing agriculture, regional food production, tourism and public administration.
- Each stakeholder was assigned to the student team working on their specific topic to ensure expert support.

**Objective of this phase:**
To provide students with real-world insights into regional issues and ensure immediate alignment with actual user needs.

## Phase 2: Idea Generation and Solution Development

*(first day – afternoon + second day – morning)*

The teams worked on:

- mapping user needs,
- generating ideas,
- assessing technical feasibility,
- designing functionalities of the digital service,
- preparing a prototype or concept of the solution,
- creating the final presentation.

Mentors (stakeholders, IT experts, educators) provided:

- methodological support,
- expert consultations,
- validation of ideas from a real-world perspective,
- data inputs and demonstrations of APIs or existing solutions.

**Outcome of this phase:**
The gradual shaping of four solution concepts responding to the regional challenges.

### Phase 3: Finalisation of Proposals and Final Presentations

*(second day – afternoon)*

- Teams had the opportunity to refine their proposals and ask final expert questions.
- This was followed by presentations before the professional jury.

The jury evaluated:

- technical execution,
- level of innovation,
- use of PoliRuralPlus data and tools,
- clarity and coherence of the presentation,
- team collaboration.

Given the exceptionally high quality of all projects, the professionalism and enthusiasm of the teams, the organisers decided that the final expert excursion would be awarded to **all participating students**, not only to the winning team.

## Stakeholder Engagement Approach

Stakeholders were involved:

- **already during the preparatory phase** (consultation of topics and needs),
- **throughout the Ideathon** (expert mentoring, answering team questions),
- **as jury members** (assessing relevance and feasibility),
- **in the follow-up excursion** (discussing possibilities for further development of the proposals).

This model ensured that the solutions were developed based on the real needs of the region and reflected both rural and urban practice.

## Summary

The structured organisation, involvement of a diverse group of stakeholders, strong focus on data inputs, and use of PoliRuralPlus tools enabled the creation of four innovative concepts. These outcomes represent valuable contributions of the project and have the potential to further support the improvement of rural–urban interactions in the region.

# 2. Implementation and Results

## Challenges Addressed

The Ideathon in Klatovy focused on four key regional challenges, identified during the preparatory phase in cooperation with practitioners, representatives of local governments, farmers, tourism organisations,

regional producers and actors involved in cross-border cooperation. These challenges reflected long-term needs of the Šumava, Pošumaví and Bavarian regions, as well as insights gathered during earlier workshops and stakeholder meetings.

### 1. Agriculture and Digitalisation of Production

The region faces low levels of digitalisation, fragmented data and a lack of accessible tools for farm management or crop-rotation planning. The objective of this challenge was to design solutions that would:

- support sustainable agriculture,
- better connect farmers with the market,
- integrate available data (weather, soil, LPIS, land registry, SZIF subsidies),
- and use AI to recommend practices or optimise production.

### 2. Regional Foods and Local Producers

Although the region has a strong food-production tradition, it lacks a functional digital platform that would:

- increase the visibility of local producers,
- connect them to restaurants and consumers,
- support logistics and cooperation,
- enable cross-border expansion of product offerings.

### 3. Tourism and Smart Destination Management

Šumava and the Bavarian Forest face high seasonality and uneven visitor distribution. The objective was to propose digital tools that would:

- support visitor management,
- offer personalised routes,
- highlight lesser-known locations,
- incorporate gamification and intelligent recommendation systems.

### 4. Regional Development and Strategic Planning

Municipalities struggle with insufficiently accessible data, complicated subsidy searches and the need to coordinate decisions across sectors. The challenge focused on:

- creating a digital platform for strategic decision-making,
- integrating LPIS data, businesses, schools, tourist sites and event listings,
- and linking these with PoliRuralPlus tools (e.g., JackDaw, MapWhiteboard).

## Teams and Participants

The Ideathon brought together four secondary-school teams, supported by practitioners, IT specialists and representatives of regional organisations. Prior to the event, teams received a short thematic brief and had time to prepare questions and materials.

Each team worked on one specific challenge, which enabled a deeper problem analysis, more detailed solution development and meaningful engagement with experts.

## 1. Team SOŠ a SOU Sušice – “Farmappka” (Regional Producers)

- **Focus:** local food products, the regional production market
- **Feedback contributions:** students with practical knowledge of local producers
- **Expert mentors:** the administrator of the Regional Food competition, producers, LAG representatives

The team developed a concept for a digital platform connecting producers, restaurants and end customers. They also contributed valuable insights on using JackDaw as a “silent” data backbone.

## 2. Team SZŠ a SOU Zemědělské Klatovy – “AgriFarm” (Agriculture)

- **Focus:** sustainable agriculture, data integration
- **Feedback contributions:** students’ and teachers’ own experience from agricultural practice
- **Expert mentors:** farmers, representatives of the Association of Private Farming

The team proposed a digital assistant for farmers using LPIS, meteorological data, flood-monitoring portals and economic indicators.

## 3. Team Gymnázium J. Š. Baara Domažlice – “ViaPoint” (Smart Tourism)

- **Focus:** visitor management, gamification, cross-border tourism
- **Feedback contributions:** students with advanced IT skills and experience in developing review-based platforms
- **Expert mentors:** Pošumaví Tourism Organisation, operators of tourist attractions

This team was selected by the jury as the *most technically advanced*, thanks to its highly professional concept of the ViaPoint application.

## 4. Team Gymnázium Klatovy – “Regional Portal” (Strategic Development)

- **Focus:** data integration, subsidies, cross-sector cooperation
- **Feedback contributions:** students interested in public administration and digital tools
- **Expert mentors:** mayors, regional planners, LAG specialists

The team created a concept for a regional development portal combining data on subsidies, demographics, services, tourism and agriculture.

# Ideathon Winners

The expert jury—composed of IT specialists, university experts, farmers, tourism representatives and regional administrators—selected the team from **Gymnázium J. Š. Baara in Domažlice** as the *technically best team*.

**The main reasons for their recognition:**

- a highly professional design,
- precise definition of user needs,
- strong understanding of the cross-border context,
- effective use of data for visitor-management and overtourism mitigation,
- high-quality presentation and team collaboration, despite the young age of the students.

However, the jury agreed that all teams produced outstanding results. Therefore, the expert excursion - as a reward - was made available to **all participants**, not only the winning team.

## Outputs of the Event and Developed Solutions

The Ideathon resulted in four concrete prototype solutions, each characterised by a high level of innovation and realistic potential for further development. All teams actively used available PoliRuralPlus tools, particularly JackDaw, MapWhiteboard and regional data sources.

Below are the main outputs:

### 1. Farmappka (SOŠ Sušice) – Connecting Regional Producers

- proposal for integrating JackDaw as a data layer,
- direct links to e-shops and producer profiles,
- AI-based product filters by season, location and price,
- planning of shopping routes and gastro-themed trips,
- proposal for cross-border expansion with data on German producers.

### 2. AgriFarm (Zemědělka Klatovy) – Digital Assistant for Farmers

- integration with LPIS, weather data, soil information and flood-monitoring systems,
- AI model for recommending crop rotations based on previous crops,
- financial module comparing input prices and listing subsidies,
- farm management dashboard,
- use of JackDaw data as an additional information source.

### 3. ViaPoint (Gymnázium Domažlice) – Smart Tourist Guide

- personalised route planner based on user preferences,
- gamification and point collection for visited attractions,
- AI module predicting visitor load (overtourism),
- support for promoting lesser-known regional sites,
- CZ–DE version, cooperation with information centres, audio guides,
- integration of JackDaw, Hub4Everybody and Pošumaví datasets.

### 4. Regional Portal (Gymnázium Klatovy) – Municipal Development Management

- overview of subsidy programmes tailored to user profiles,
- interactive maps of services, schools, businesses and tourist sites,
- tools for cross-sector collaboration,
- data visualisation for municipal decision-making,
- AI predictions of visitor numbers and economic trends,

- multi-user views (citizens / entrepreneurs / municipal staff).

### Summary of Impacts and Innovations

The Ideathon demonstrated that students are capable of working with complex data, understanding regional challenges and proposing digital solutions with real-world applicability. All solutions feature:

- cross-border potential,
- compatibility with PoliRuralPlus data,
- clearly defined user scenarios,
- significant innovative value,
- and room for further development.

## 3. Media Outputs

https://zaplzni.cz/ideathon-v-klatovech-kdyz-se-mlade-napady-propoji-s-budoucnosti-regionu/

https://zaplzni.cz/horizon-europe-v-klatovech-aneb-velky-uspech-male-spolecnost/

https://www.vmi-rozhled.cz/rozhled/fr.asp?tab=rozhl&id=34&burl=&pt=AA

https://www.poliruralplus.eu/news/ideathon-in-klatovy-lets-shape-the-future-of-our-region-together/

https://www.poliruralplus.eu/knowledge-transfer/blog/ideathon-in-klatovy-young-people-shaping-the-future-of-the-countryside/

https://www.poliruralplus.eu/knowledge-transfer/blog/innovation-from-klatovy-students-searched-for-smart-solutions-in-tourism-and-regional-development/

https://www.poliruralplus.eu/knowledge-transfer/blog/educational-excursion-of-dips-ideathon-participants-a-day-when-technology-and-science-came-within-students-reach/

https://www.poliruralplus.eu/news/ideathon-in-klatovy-when-young-ideas-connect-with-the-future-of-the-region/

https://www.facebook.com/uhlavaops/posts/pfbid0VGb7bxwiacSZTD84QZuMyemnUu3R32LN9Pzv89wWY3kta8u2fpkoRRDLt26HjPcul

https://www.facebook.com/uhlavaops/posts/pfbid02rruAkjbCm5bZLm9ZxPQUgvxnEKkR7AEac9YqgeJYDfskJnq5j7zHmHVuGBWmwAUdl

https://www.facebook.com/uhlavaops/posts/pfbid02RSLz8KABv2kCLhitff2v8pKSD4MfzZ38mL7PT6hipGbcaS31MhqWcKchPvJ2WevKl

# 4. Conclusions

The two-day Ideathon in Klatovy represented an exceptionally successful event that fulfilled - and in several aspects significantly exceeded - the expectations defined in the project proposal. It was confirmed that even a relatively small regional initiative, when carefully prepared, professionally facilitated and strongly rooted in local communities, can produce concrete results with long-term relevance for regional development and rural–urban collaboration.

## Stakeholder Engagement and Cross-Sector Cooperation

One of the greatest achievements of the Ideathon was the broad and active involvement of stakeholders - farmers, tourism representatives, regional producers, LAG (MAS) personnel, mayors, IT experts, teachers and university researchers.

It was evident across all stages that this event did not arise “from behind a desk”, but was built on:

- previous workshops,
- meetings with local communities,
- deep knowledge of the region,
- long-term relationships with actors engaged in Czech–Bavarian cooperation.

Stakeholders not only attended the event, but actively contributed to the creation of solutions, worked within the teams, and provided students with expert insights. This format proved ideal for generating realistic, user-oriented concepts.

## Quality of the Developed Solutions and Their Benefits for the Region

Although the event was not a hackathon in the sense of producing ready-to-use software, the Ideathon resulted in four highly thoughtful concepts that can be further developed into prototypes and pilot implementations.

### The main benefits include:

#### 1. Identification of Clearly Defined User Needs

Each team collaborated with a specific stakeholder, which ensured:

- realistic use-case scenarios,
- solutions reflecting real-world practice,
- precise problem definitions that helped students think very strategically.

#### 2. Linking Regional Topics with Digital Technologies

All solutions demonstrated how:

- AI,
- IoT,
- GIS data,
- and digital tools (including JackDaw and MapWhiteboard)

can improve the functioning of municipalities, farmers, tourism organisations and regional producers.

### 3. Strong Cross-Border Dimension

Every proposal automatically considered the possibility to:

- expand the applications to Bavarian partners,
- integrate German databases,
- adapt to a bilingual environment,
- support mobility between regions.

This was highly appreciated by both the jury and professional stakeholders.

### 4. Generation of Inputs for Further PoliRuralPlus Development

Students provided concrete suggestions for:

- expanding JackDaw functionalities,
- improving data integration,
- new use-case opportunities in agriculture, tourism and regional planning.

This constitutes an important secondary output of the project.

## Potential for Scaling and Further Implementation

All solutions have the potential to be developed further. Specifically:

- **ViaPoint (smart tourism)** could become a pilot cross-border product used across Pošumaví, Bavaria and regional information centres.
- **AgriFarm** could be expanded in cooperation with the Association of Private Farming, which has long been interested in similar tools.
- **Farmappka** could be piloted with regional producers who have already expressed interest in digital promotion.
- **The Regional Portal** could become a tool for LAGs, municipalities and regional planners — significantly reducing administrative burden and supporting data-driven decision-making.

The combination of these four proposals forms a foundation for a future **comprehensive regional digital ecosystem**, which was, indeed, one of the central visions of the Mobilise call.

## Impacts on Rural–Urban Dynamics

The project clearly demonstrated how digital tools can:

- connect rural farmers with urban restaurants,
- redirect tourist flows from overcrowded urban centres to quieter areas,
- support the distribution of regional products,
- provide data foundations for strategic decision-making,
- and attract young people to technological topics with a direct impact on their own region.

Through this, the Ideathon contributed to a better understanding that rural and urban areas are not two separate entities, but dynamic, interconnected environments that can benefit significantly from modern data-driven and AI-based tools.

# Political Impacts and Recommendations

The outcomes of the Ideathon have the potential to influence policy on several levels:

## Regional Level

- support for digitalisation within Local Action Groups (LAG/MAS),
- improved planning of tourism and infrastructure,
- use of data for investment decision-making.

## National Level

- inspiration for digitalising agriculture and LPIS,
- data tools for subsidy overviews and informed decision-making.

## Cross-Border Cooperation

- potential strengthening of cooperation with Bavaria in data management and knowledge exchange,
- opportunities for joint pilot projects in the field of tourism.

# Challenges Encountered During Implementation and How They Were Addressed

## 1. Limited Availability of Certain Data Sources

- **Challenge:** public data in agriculture and tourism are fragmented.
- **Solution:** mentoring from IT experts and explanations on how JackDaw can be used as a unifying data layer.

## 2. Short Preparation Time for Teams

- Some teams were concerned whether they could prepare adequately within 14 days.
- In the end, it turned out that more time would not have brought additional benefits - the teams arrived highly prepared and motivated.

## 3. Need to Explain Complex Tools such as JackDaw to Students

- Complex concepts were simplified using practical examples, demonstrations and consultations.

## 4. Logistical Challenges in Organising the Study Trip

- The high participation rate and strong interest from students required expanding the original plan - the study trip was eventually organised for all participants.

# Overall Evaluation

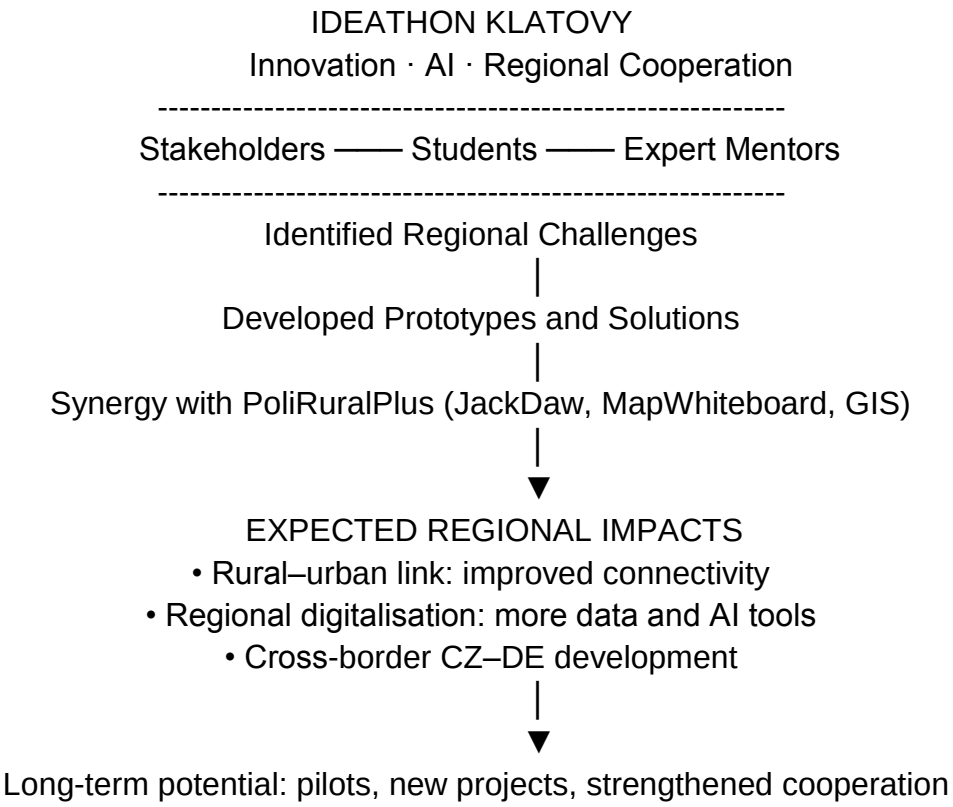
The Ideathon in Klatovy can be considered an exceptionally successful project that:

- connected schools, universities, municipalities, farmers, entrepreneurs and non-profit organisations,
- generated valuable solutions with real development potential,

- strengthened the technological competencies of students,
- brought attention to regional challenges,
- and opened the door to further development of digital platforms.

This project demonstrated that even a group of secondary school students can design solutions with relevance at the level of regional policy, contributing concrete steps toward mitigating the impacts of climate, economic and demographic changes.

## Impact Diagram of the Ideathon



## Overview Table – Ideathon Outputs

| Team / School | Solution Name | Challenge Addressed | Key Innovations | Implementation Potential |
|---|---|---|---|---|
| **SOŠ & SOU Sušice** | Farmappka | Regional Food Producers | JackDaw integration, route planner, e-shop linking, CZ–DE expansion | High – suitable for pilot testing with local producers |
| **SZeŠ Klatovy** | AgriFarm | Agriculture | Crop rotation assistant (LPIS+AI), weather/pasture data, farm dashboard | Very high – strong demand among farmers |
| **Gymnázium Domažlice** | ViaPoint | Smart Tourism | AI crowd prediction, gamification, audio guides, cross-border version | Exceptional – strong potential for Šumava/Bavaria pilot |
| **Gymnázium Klatovy** | Regional Development Portal | Regional Planning | Service maps, grant filters, data visualisation, multi-user modes | High – useful for municipalities, MAS and planners |

# Annex I

– attachment： separate file folder overview of project publicity and photo documentation