#### XXIIIth International CIPA Symposium

# ROLE OF INTERDISCIPLINARY COOPERATION IN PROCESS OF DOCUMENTATION OF CULTURAL HERITAGE

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## Content

- cooperation main characteristic
- research projects
- support projects
- emergency projects
- presentation projects
- conclusion



# **Cooperation - generally**

## background / motivation



# **Cooperation - generally**

#### submitter - contractor relation

- task definition .. related to BHR
- finding of way of record .. form, content, effectivness of means ..
- dialog language, crossing borders ..
   step by step through project, clarifying before + during + after project
   ability to have a ,,distance,, .. wider view
- couse of typical project
- types of projects



## Research projects - RP

#### .. main features

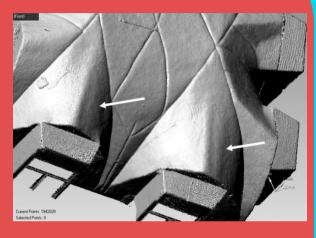
project	goals	verify hypotheses on building development
	technologies	combination, whole range, unconventional approaches
	results	mostly 3D
cooperation	specifics	intensive dialogue between specializations
		changes in course of project step by step
	benefits	new findings about development of object
		new findings about technologies
		deeper understanding across specializations

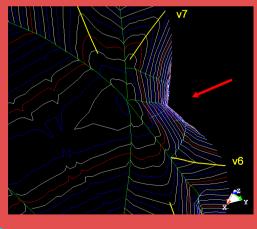
## RP – example

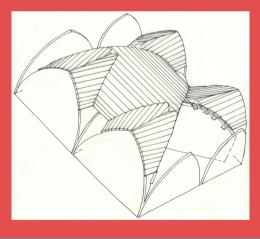
## documentation of existing vault











vault of Gothic hall fortress construction of vault laser scanning dialog

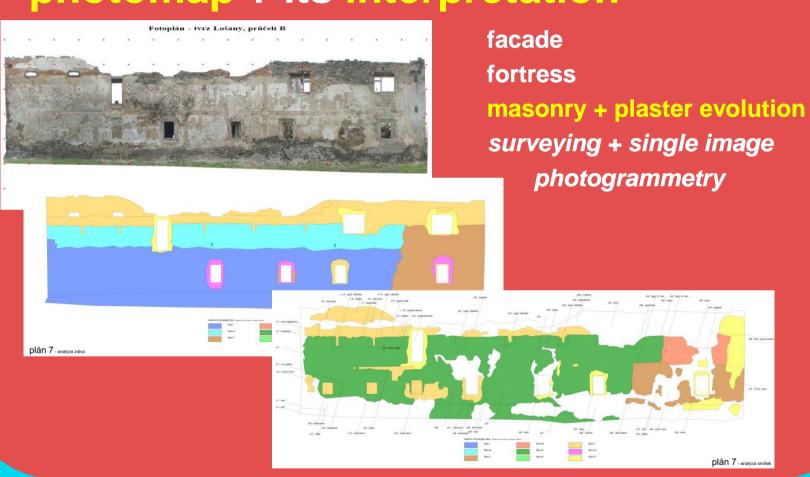
# Support projects - SP

#### .. main features

project	goals	creation of quality base for BHR
	technologies	combination, simpler methods preferred
	results	mostly 2D
cooperation	specifics	search for appropriate parameters and forms of output
		crossing boundaries between specializations
	benefits	customized high quality documentation
		traditional result with added information

## SP – example

#### photomap + its interpretation





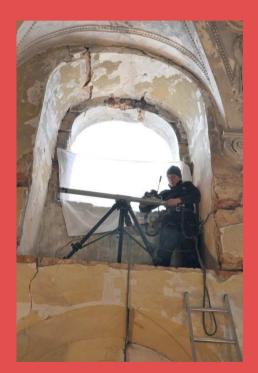
# **Emergency projects - EP**

#### .. main features

project	goals	emergency documentation of sites at risk
	technologies	combination, whole range, quick data collection
	results	mostly 3D
cooperation	specifics	clarification of priorities for documentation
		time, safety and technical conditions
	benefits	data recorded for future
		search for effective technologies of documentation

## EP – example

## documentation of stucco decoration



Baroque vault castle's chapel building at risk optical correlation system



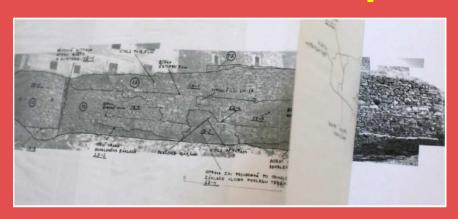
# Presentation projects - PP

#### .. main features

project	goals	presentation of collected research outputs
	technologies	combination, use of existing data
	results	mostly 3D, visualization, animation
cooperation	specifics	working with various data sources
		working with results of research - explanation/understanding
	benefits	search for optimal methods of presentation
		suggestions for improving of research

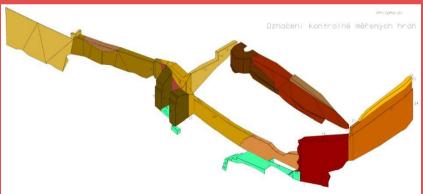
## PP – example

#### historical development of rampart



| Depart of the state | Section | Se

Gothic fortress
spatial composition
surveying + intersection
photogrammetry + BHR results



## Conclusion

training .. learning environment, patterns ideal / real course of project cooperation cross specializations quality of results, satisfaction, enrichment ..



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#### Thank You for Your attention ...

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