



REMIX

Interreg Europe



European Union
European Regional
Development Fund

Polish Stonemason's Cluster.

Tradition and new technologies and cross-border networking

Jacek Major

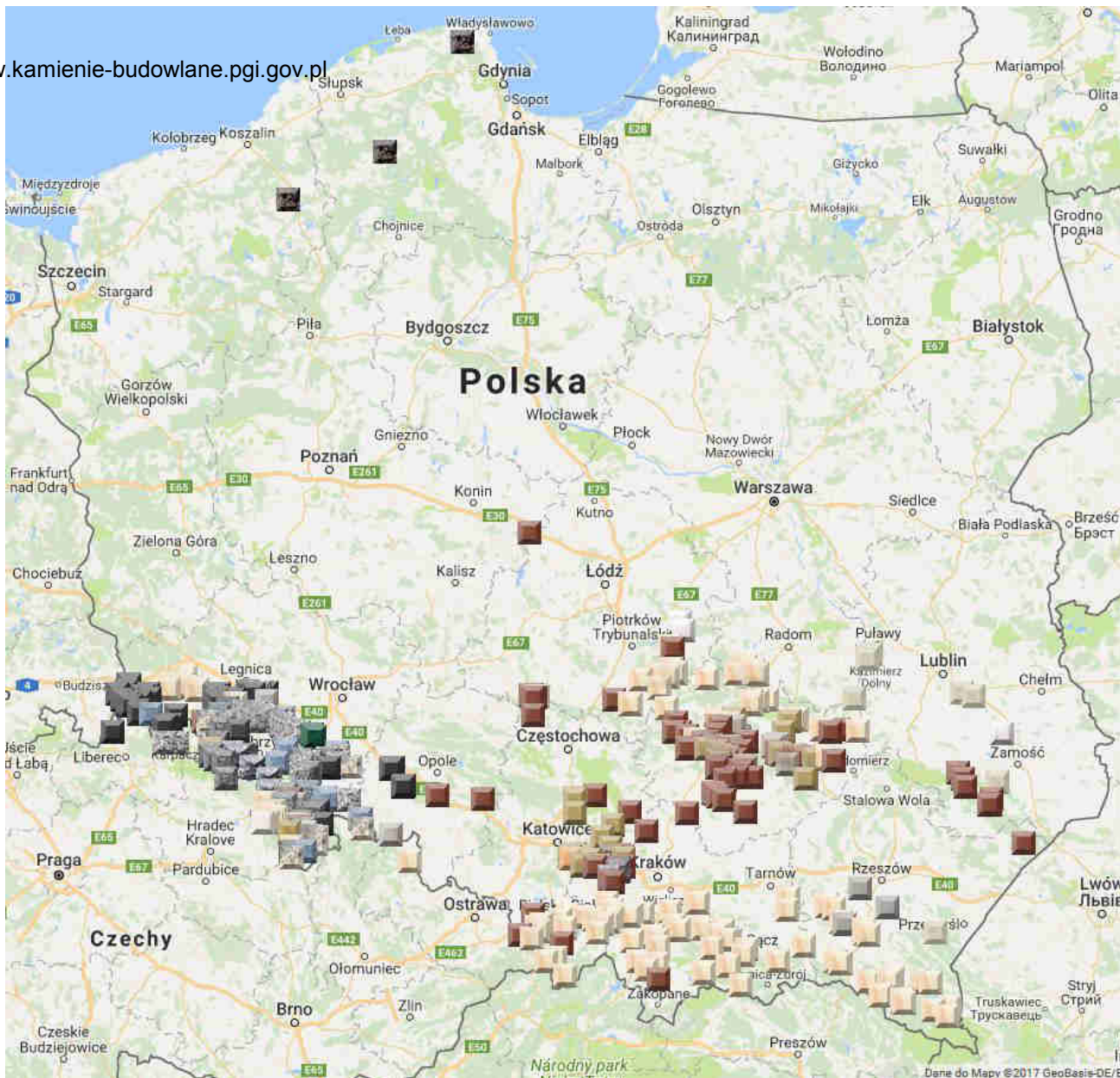
Polish Stone Cluster



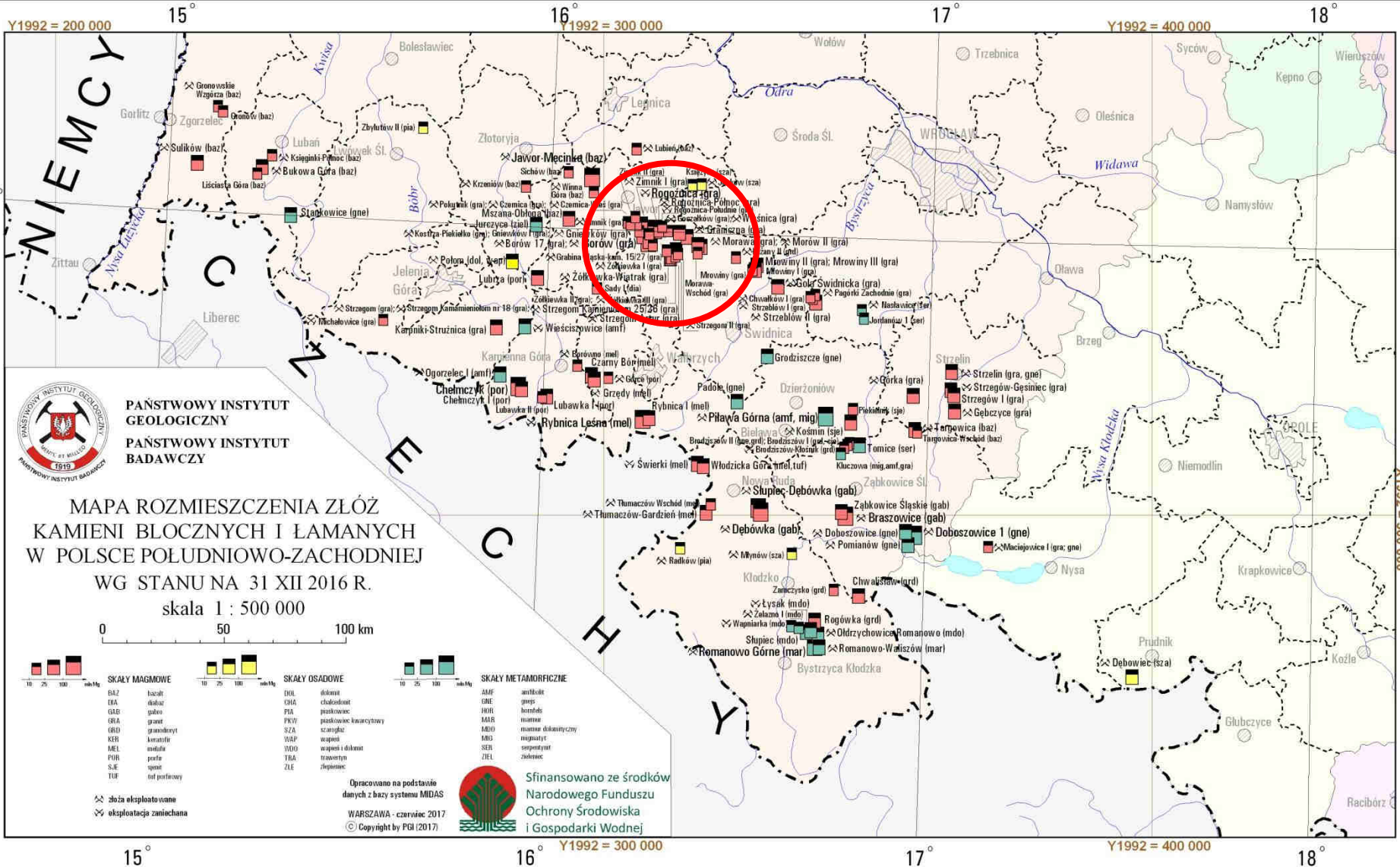
KLASTER KAMIENIARSKI

Where are we from?

And why from there?



Resources of building stones in Poland



PAŃSTWOWY INSTYTUT GEOLOGICZNY
 PAŃSTWOWY INSTYTUT BADAWCZY

MAPA ROZMIESZCZENIA ZŁÓŻ
 KAMIENI BLOCZNYCH I ŁAMANYCH
 W POLSCE POŁUDNIOWO-ZACHODNIEJ
 WG STANU NA 31 XII 2016 R.
 skala 1 : 50 000

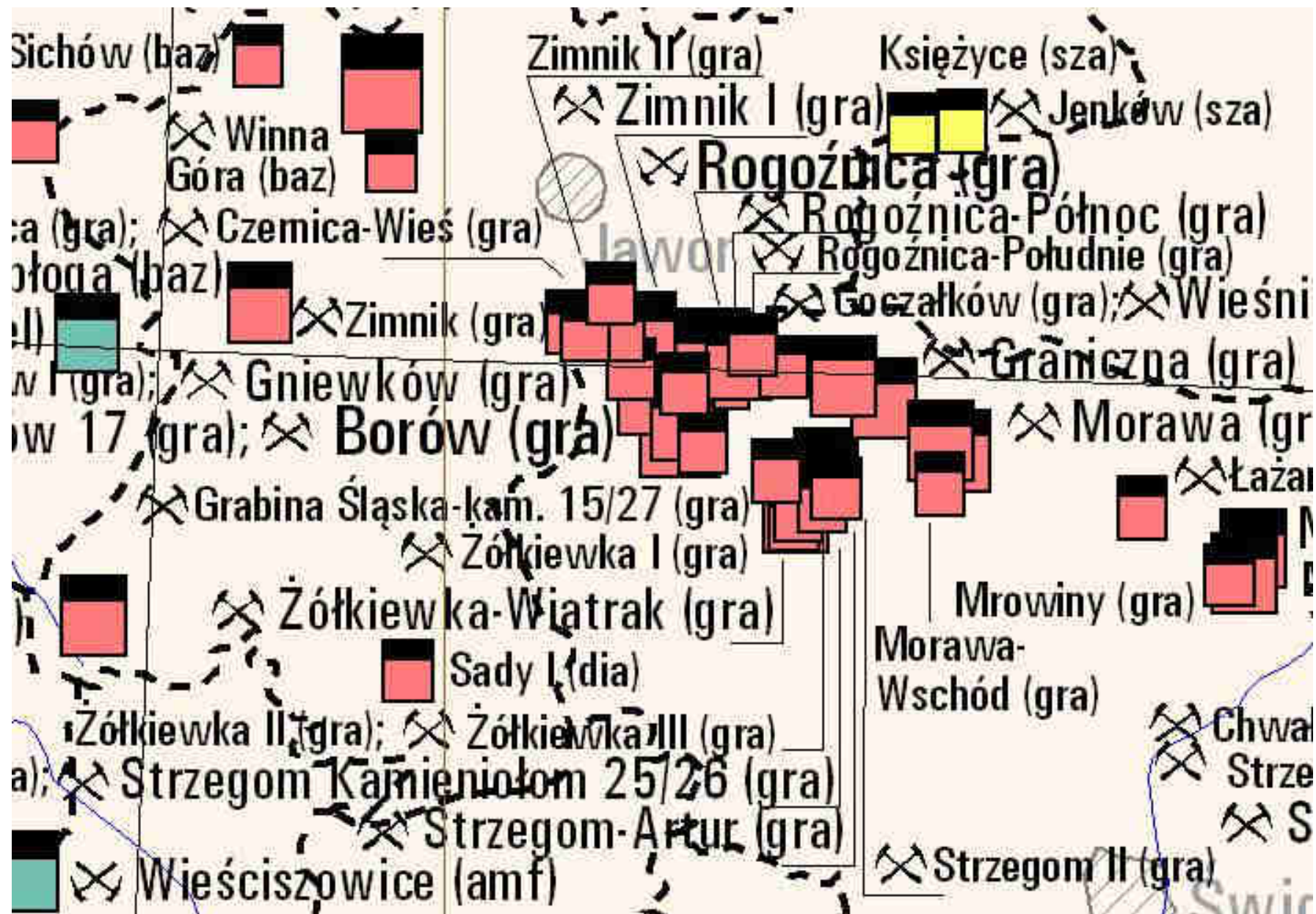
0 50 100 km

SKALY MAGMOWE		SKALY OSADOWE		SKALY METAMORFICZNE	
BAZ	bazalt	DOL	ólomni	AMF	amfibolit
TBA	diabas	CHL	chłobolinit	GNF	gnajz
GAB	gabro	PIA	piaskowiec	HRK	hornfels
GRA	granit	PKW	piaskowiec kwarcysty	MAR	marne
GRD	granodioryt	SZA	szarżulec	MDO	mułowce dolnokamienisty
KER	kerolanit	WSP	wapień	MRZ	mułowce
MEL	melafita	WOD	wapień i dolomit	SER	serpentyt
POR	porfiry	TBA	trawertyn	ZEL	zeleniec
SJE	syenit	ZLE	zleżeniec		
TUF	tuf porfirowy				

Opracowano na podstawie
 danych z bazy systemu MIDAS
 WARSZAWA - czerwiec 2017
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Sfinansowano ze środków
 Narodowego Funduszu
 Ochrony Środowiska
 i Gospodarki Wodnej



How looks quarry near Strzegom?





New technologies in the factory







bidese
impianti
www.bidese.com

bidese
impianti
www.bidese.com





The machine can cut shapes

Example of use

(Craft, art & modern technology in one)



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bidese



















Lower Silesian Center of Cell Transplantation

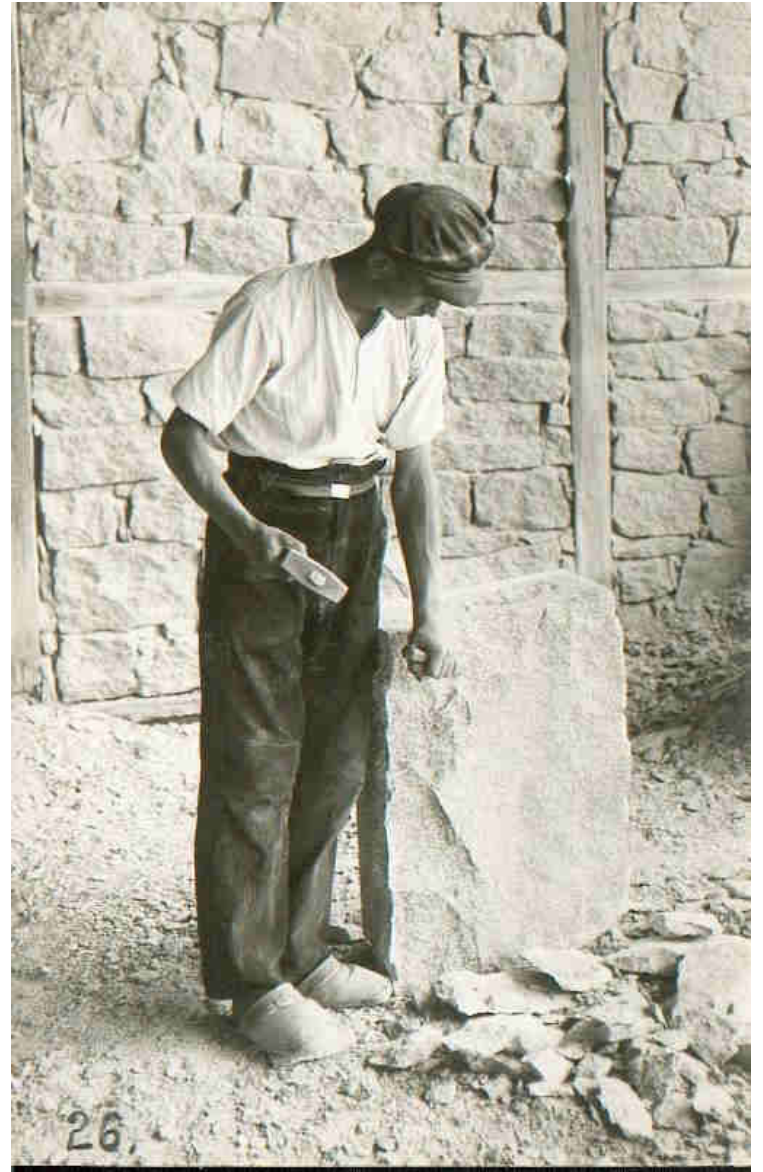
New technology in stonemasonry - comparison savings

characteristics	standard product (slab)	special product (sculpture DNA)
czas / time	80% mniej / less	90% mniej / less
zużycie energii / energy consumption	60% mniej / less	90% mniej / less
straty materiału / stuff loss	30% mniej / less	99% mniej / less
zużycie wody / water consumption	75% mniej / less
odpad / waste	30% mniej / less	99% mniej / less
hałas / noise	35% mniej / less	35% mniej / less
zapylenie / air pollution	-	99% mniej / less

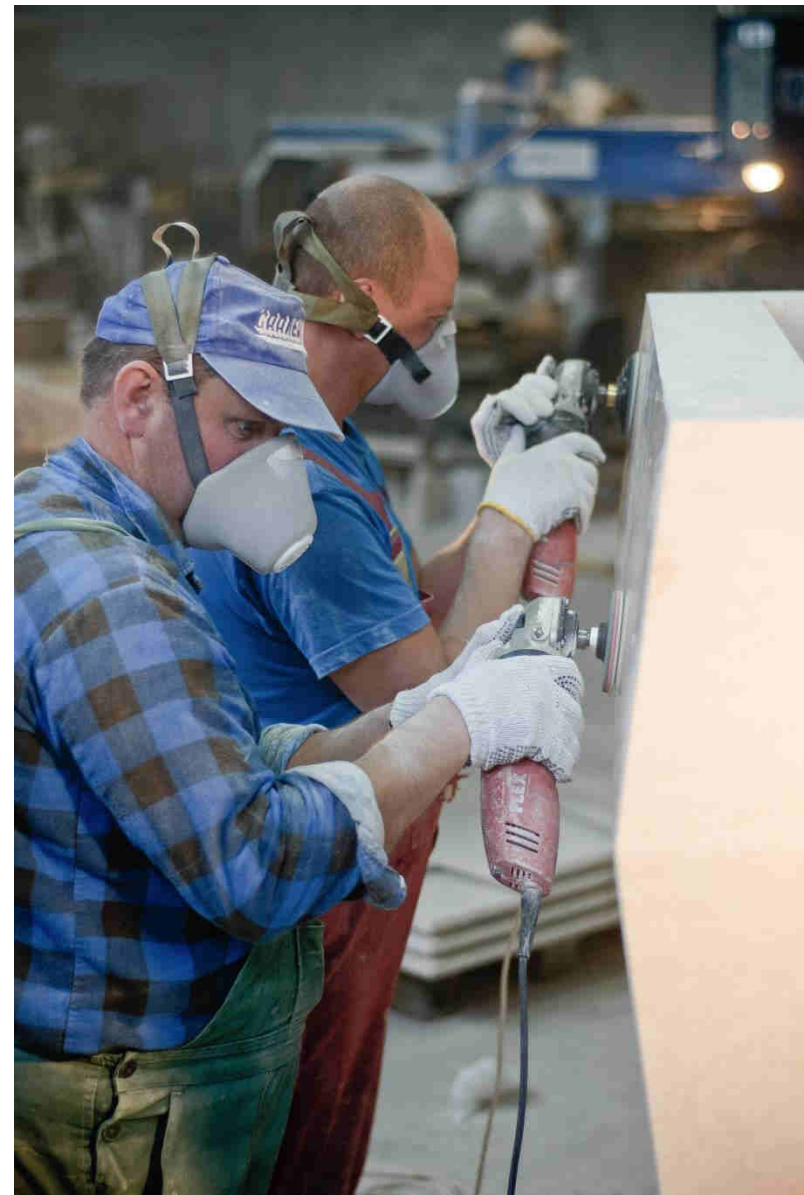
Tradition



The last step was done by hand



**Maybe not tools like a
hundred years ago, but still
this skilled worker is the most
important**



sometimes we forget about
traditional methods

to preserving tradition very
important is **education**

Cross-border networking and tradition

Polish-Czech Interreg project: 2018 - „City of children”

4 days

about 200 children from both countries worked in various professions

e.g.:

fireman,

gardener

policeman

car mechanic

baker

and of course a stonemason



every profession had its stand prepared by guilds, company,



children earned special money

they could spend their money in the store every day at the end of the working day...

or pay them regularly to the „bank” and at the end of the fourth day have twice as much money

(the money was false but the products were real)



399

1
TAURON
2
TAURON
5
TAURON

Heart-shaped object

Blue pencil
Blue pencil
Black pencil

the children learned how hard the masons work

but they still recognized the stonemason's stand as the best profession

and we have made together with children 200 hearts



Polish-Czech project:

2016 - „Patnik” (a stone of friendship)



were created **live** during the city festival
from **local** stones







placed in front of a stonemason's school
in Strzegom





Polish-Czech Interreg project:

2019 - „World of stone”

In 2018 Polish and Czech students made together 7 stone benches to the park near the school in Strzegom.











Finally, let's get back to the first topic.

Another look at innovation in old profession?

Development of (post-production) waste

Granite (silver) jewelry











But that's another story...



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Thank you!

Questions welcome



Project smedia