



ESBG 2015

EUROPEAN STRAWBALE GATHERING MONTARGIS | PARIS



STRAWBALE IN POLAND MACIEJ JAGIELAK / OSBN

Strawbale in Poland

A PhD thesis about strawbale architecture in Poland

///// Work in progress

///// at the Faculty of Architecture

///// of Cracow University of Technology

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Strawbale in Poland

Introduction – research questions / presentation plan

I. What has been build from straw bales in Poland ?

II. How is the technology locally adapted ?

III. Who is building and why ?

IV. EXAMPLES !

V. (How) Does it work ?

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I. What has been build from straw bales in Poland ?

- + More than 100 buildings
- + Most of them are :
 - a) **single family homes** (typicaly 100-200m²)
 - b) **tiny houses and sheds** (up to 35m²)
- + Some are holiday homes/apartments for rent
- + Other: renovations, public buildings are rare

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II. How is the technology locally adapted / what is typical?

- + **Wooden constuction** – most popular :
double posts (« ladders ») with sb infill
- + **Bales laid flat**
- + **Direct plastering** (clay or lime)
- + **Hardly any 'loadbering' SB**
- + Most houses with stanadard (concrete) foundations
- + Not many houses with straw in roof or floor
- + Mostly 'conventional' designs

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III. Who is building and why ? Most popular reasons why...

- + **Health** (almost 100% owners)
- + **Low cost** (majority)
- + 'Originality'
- + Ecology
- + Hands on work

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III. Who is building and why ? who does the actual work ?

- + Most owners act as general constructors (ca 90%)
- + Both 'sb' specialised and not specialised contractors do the baling and plastering (ca 50/50%)
- + Many owners work 'hands on' (ca 50%)
- + Workshops/volunteer are sometimes employed (ca 25%)

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IV. 1. House in Przełomka

Design: P.Wojciechowska SB works: workshops / local workers



Photo: M.Jagielak

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IV. 2. Tiny house in Kotlina Kłodzka (everyones' favorite pic)

Design and building work : www.biohabitat.pl



Photo: Magda Górka

Strawbale in Poland

IV. 2. Tiny house in Kotlina Kłodzka

Design and building work: www.biohabitat.pl



Photo: M.Jagielak

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IV. 3. Tiny House in Komorze

SB works : Biohabitat



Photo: Biohabitat

Strawbale in Poland

IV. 3. Tiny House in Komorze

SB works : Biohabitat



Photo: Biohabitat

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IV. 5. House in Gajówka (prefab, awarded)

Design: Karolina Szkapiak Building Works :Moritz Reichert



Photo: M.Jagielak

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IV. 5. House in Gutowo (build from 'typical plan')

Design : Jacek Gałaska SB works : owner / local contractors



Photo: House Owner

Strawbale in Poland

IV. 5. House in Gutowo (build from 'typical plan')

Design : Jacek Gałąska SB works : owner / local contractors



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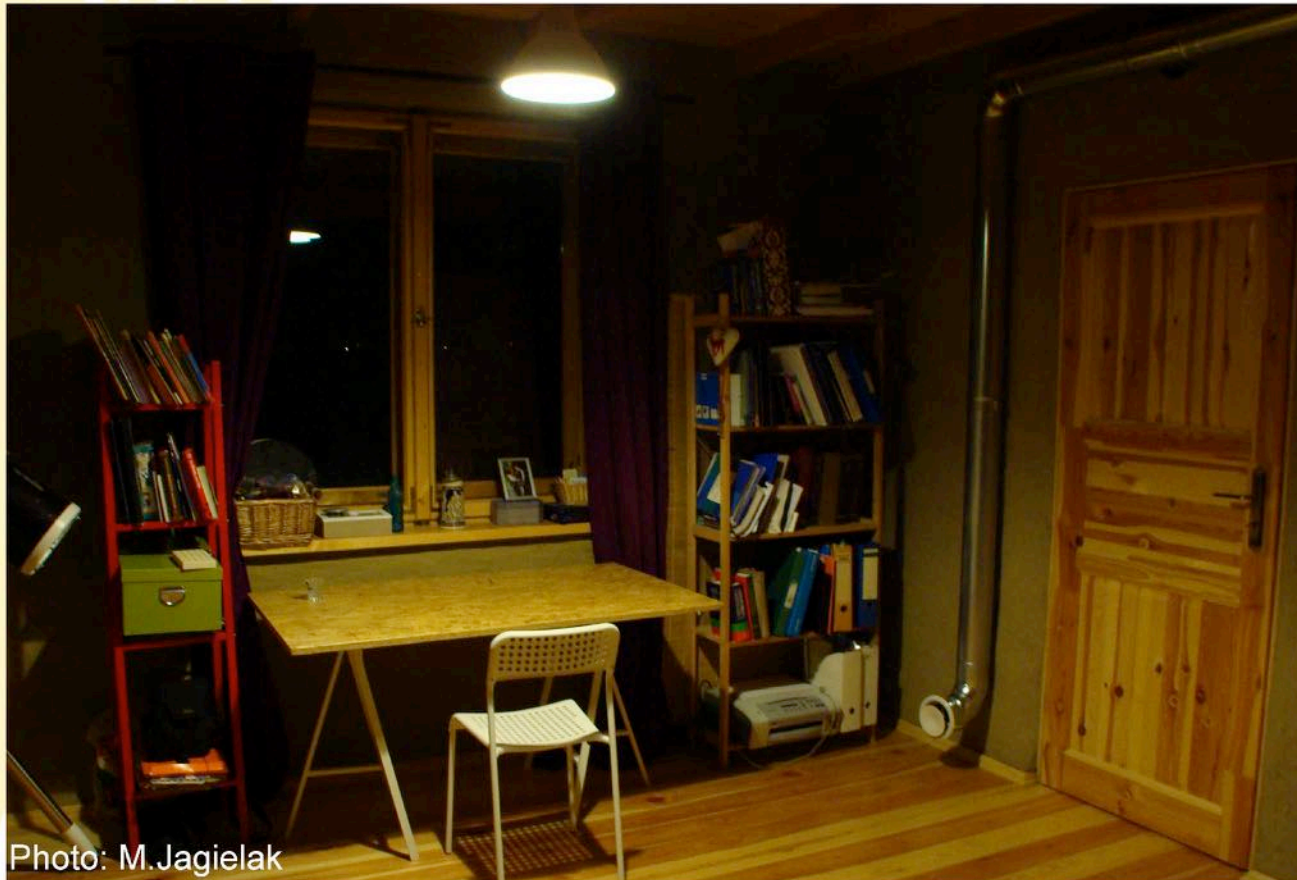


Photo: M.Jagielak

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IV. 6. House in Poniatowice (build from 'typical plan')

Design : Jacek Gałaska



Photo: Biohabitat

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IV. 7. 'Osada Słomiany Zapał' in Laskowice

Design : Jacek Gałaska SB works : Lepianka / Cohabitat workshops (small house)



Photo: M.Jagielak

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IV. 7. 'Osada Słomiany Zapał' in Laskowice

Design : Jacek Gałąska SB works : Lepianka



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IV. 7. 'Osada Słomiany Zapał' in Laskowice

Design : Jacek Gałąska SB works : Lepianka



Photo: M. Rybczyńska

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IV. 7. 'Osada Słomiany Zapał' in Laskowice

Design : Jacek Gałąska SB works : Lepianka



Photo: M. Jagielak

Strawbale in Poland

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Strawbale in Poland

IV. 7. 'Osada Słomiany Zapał' in Laskowice

Design : Jacek Gałaska SB works :Cohabitat workshops (small house)



Photo: unknown - source: Jacek Gałaska Facebook

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IV. 8. House in Wysokie Mazowieckie (over 400m2)

Design : Jacek Gałaska SB works : Biobudownictwo J.S.



Photo: M. Jagielak

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IV. 9. 'Clay Village' in Kukle (over 20 buildings!)

Design : R.Cyűńczyk SB works : local contractors



Photo: M.Jagielak

Strawbale in Poland

IV. 8. 'Clay Village' in Kukle (over 20 buildings!)

Design : R.Cyűńczyk SB works : local contractors



Strawbale in Poland

IV. 8. 'Clay Village' in Kukle (over 20 buildings!)

Design : R.Cyűńczyk SB works : local contractors



Photo: M.Jagielak

Strawbale in Poland

IV. 9. House in Błotnia (first loadbearing with full permit)

Design : J.Wihan



Photo: D.Jagucki (?)

Strawbale in Poland

IV. 9. House in Błotnia (first loadbearing with full permit)

Design : J.Wihan



Photo: D.Jagucki (?)

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IV. 10. House in Stróža (prefab)

Design : B.Boratyn Construction/prefab/elevation: Moritz Reichert



Photo: M. Jagielak

Strawbale in Poland

IV. 10 House in Stróža (prefab)

Design : B.Boratyn Construction/prefab/elevation: Moritz Reichert



Photo: M. Jagielak

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IV(How) Does it work ?

- + **Health**– most owners say yes
- +/- **Low-Cost** -not as low as expected but still ok
- ++ **Orginality** -it still does attract attention
- +/- **Ecology** – in many houses only walls are lower-impact
- +/- **DIY** – is very time consuming

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Community works :)



Photo: Budujemy Dom - Facebook

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Thanks for watching!

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