



ESBG 2015

EUROPEAN STRAWBALE GATHERING MONTARGIS | PARIS



Loadbearing with Straw

ESBG Strawbale Event (header1)

The project

The vision: To a build zero energy home

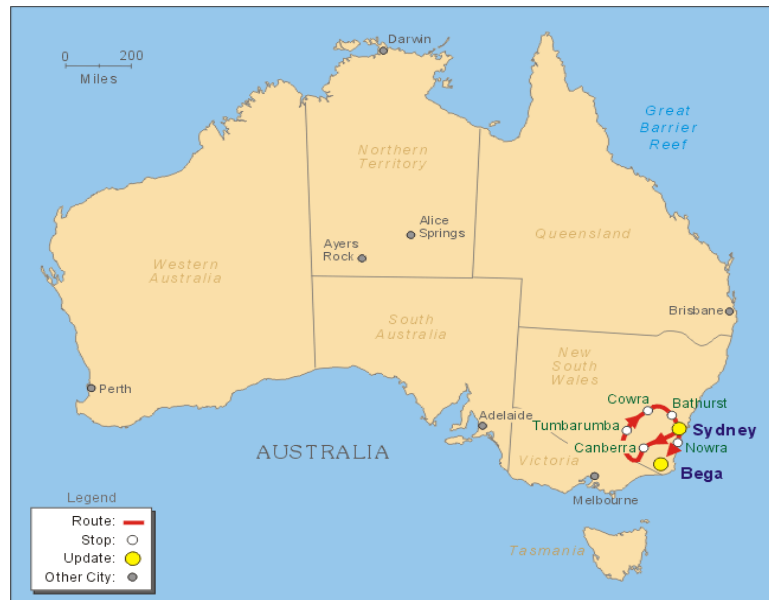
The budget: \$110k



ESBG Strawbale Event (header1)

Bega, NSW Australia

The Bega Valley Shire is located at the south-eastern extremity of New South Wales.



ESBG Strawbale Event (header1)

Climate

Temperature

*Very hot in summer
and cold in winter*

Rainfall

*Heavy seasonal
rains*



ESBG Strawbale Event (header1)

The specifications

- ☐ **100 sqr meter**
- ☐ **2 bedrooms**
- ☐ **Off the grid**
- ☐ **Concrete water tank 120 KL**
- ☐ **Solar hot water**
- ☐ **Compost toilet**
- ☐ **Raised 600mm off the ground for 100 yr flood zone**
- ☐ **Strawbales in ceiling**



ESBG Strawbale Event (header1)

The workshop

- ❑ **20 volunteers**
- ❑ **Completed build in 12 days to lock up stage**
- ❑ **Used second hand windows and doors except for one french door that was custom**



ESBG Strawbale Event (header1)

The technology

☐ Nebraska style

☐ Load bearing



ESBG Strawbale Event (header1)

Lessons learnt

Instead of using gyprock under the ceiling I would use fire check. Non burning unit, 2 hrs fire protection and 3 layers of fire check to build multi storey.

