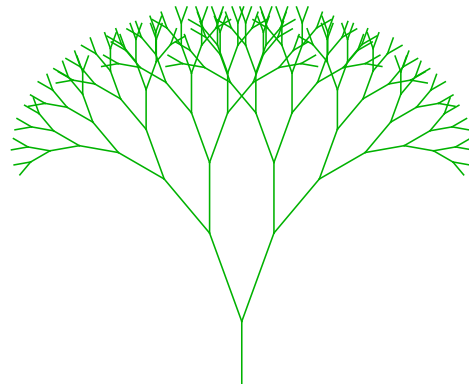
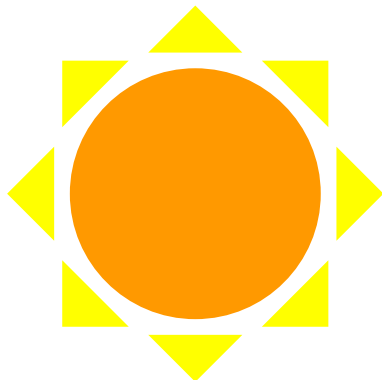
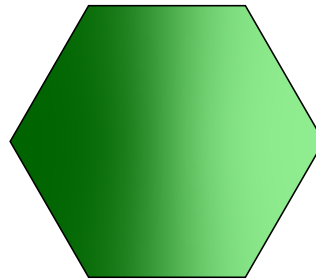
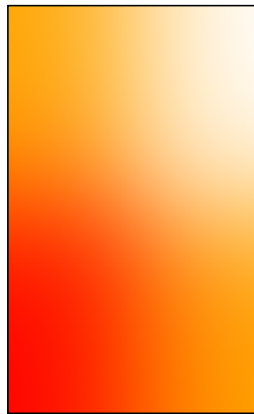
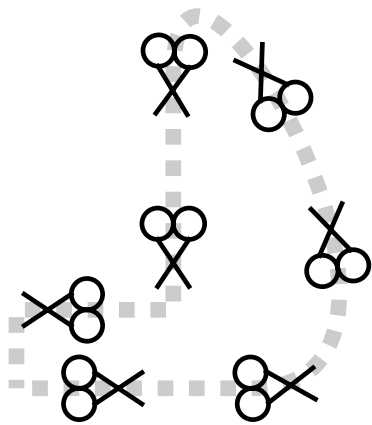


- Mapyrus is a software project created by Simon Chenery (`simoc@users.sourceforge.net`)
- Mapyrus is available for download from SourceForge (`http://mapyrus.sourceforge.net`)
- Mapyrus is software for creating plots of points, lines, polygons, labels and images to PostScript (high resolution, up to A0 paper size), Portable Document Format (PDF), Scalable Vector Graphics (SVG) format and web image output formats (PNG, JPEG, PNM).

- Mapyrus is built on the excellent Java2D graphics library included in Java
- Mapyrus provides a BASIC/LOGO/scripting type language for drawing shapes, labels and images
- Mapyrus runs as a UNIX-style utility program
- Sequences of instructions can be built into re-usable functions





Chelsea



Arsenal

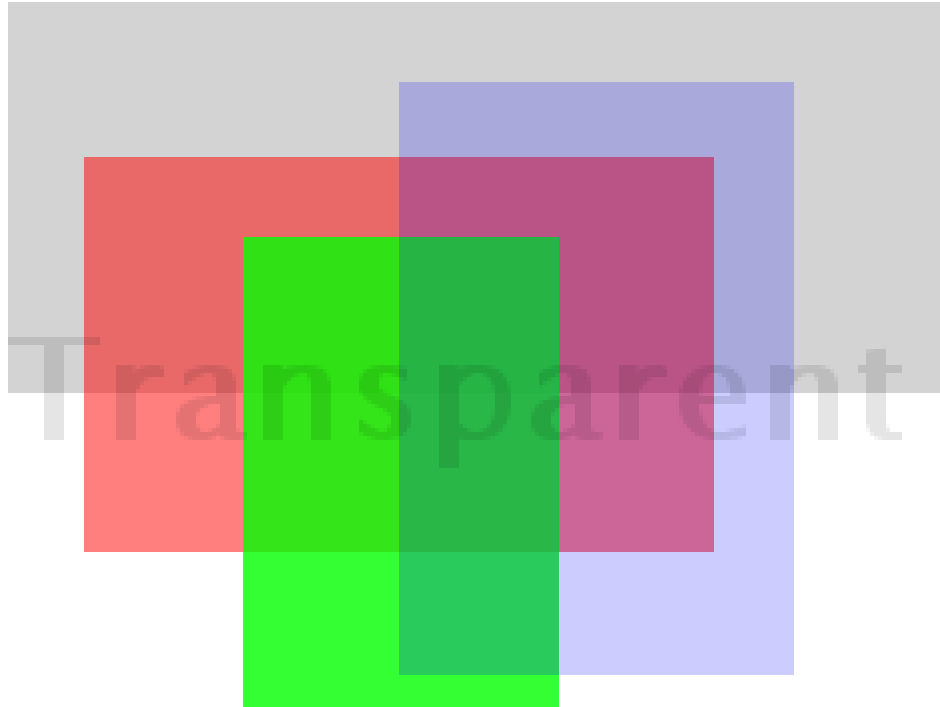


Spurs

Monday	
9am	meeting
12pm	lunch
5pm	video conference
6pm	interview

etc
├ group
├ hosts
├ init.d
│ └ httpd
├ passwd
└ shadow

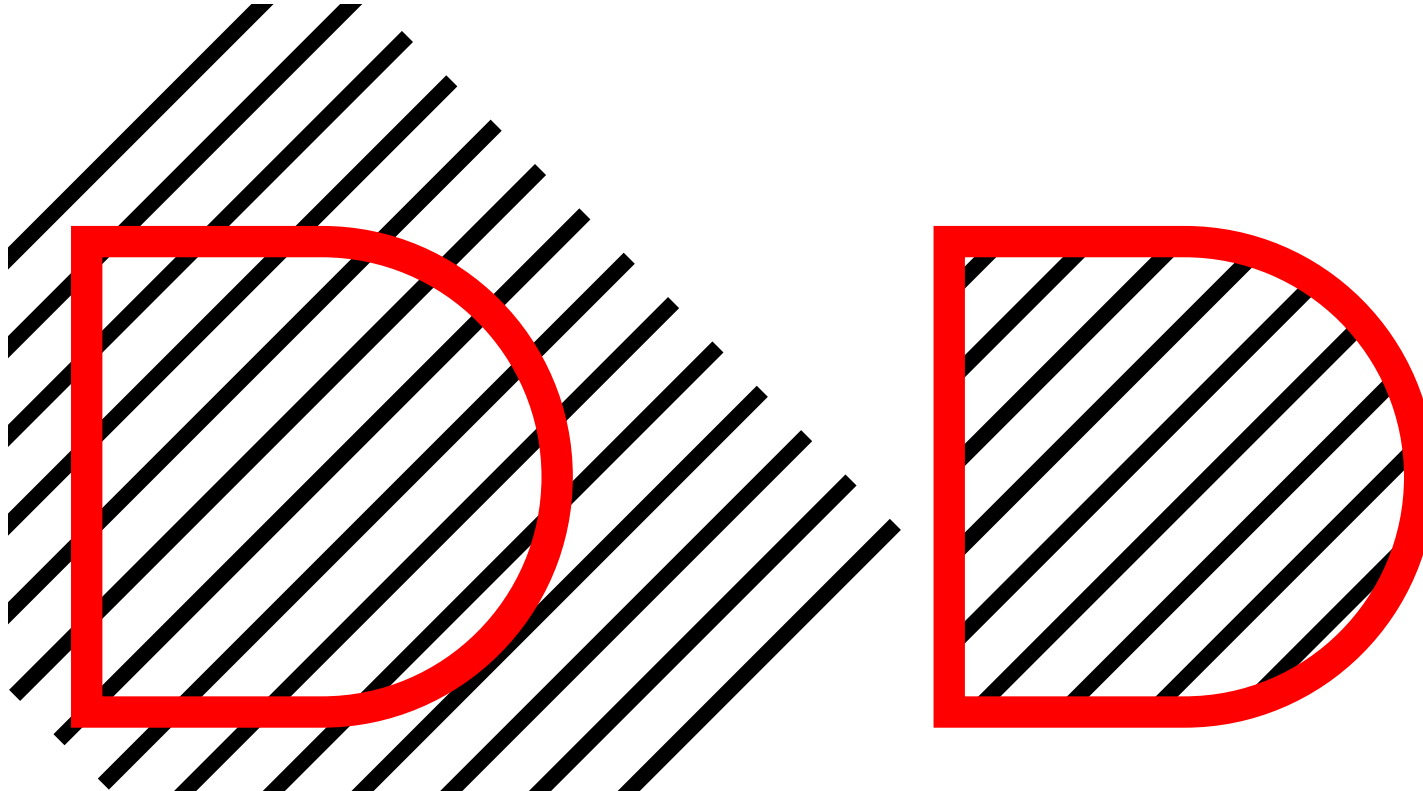
- Mapyrus supports transparent colours and blending modes



- Mapyrus can use TrueType and PostScript Type 1 font files

Aqueduct Font
Outlined!
Hello World

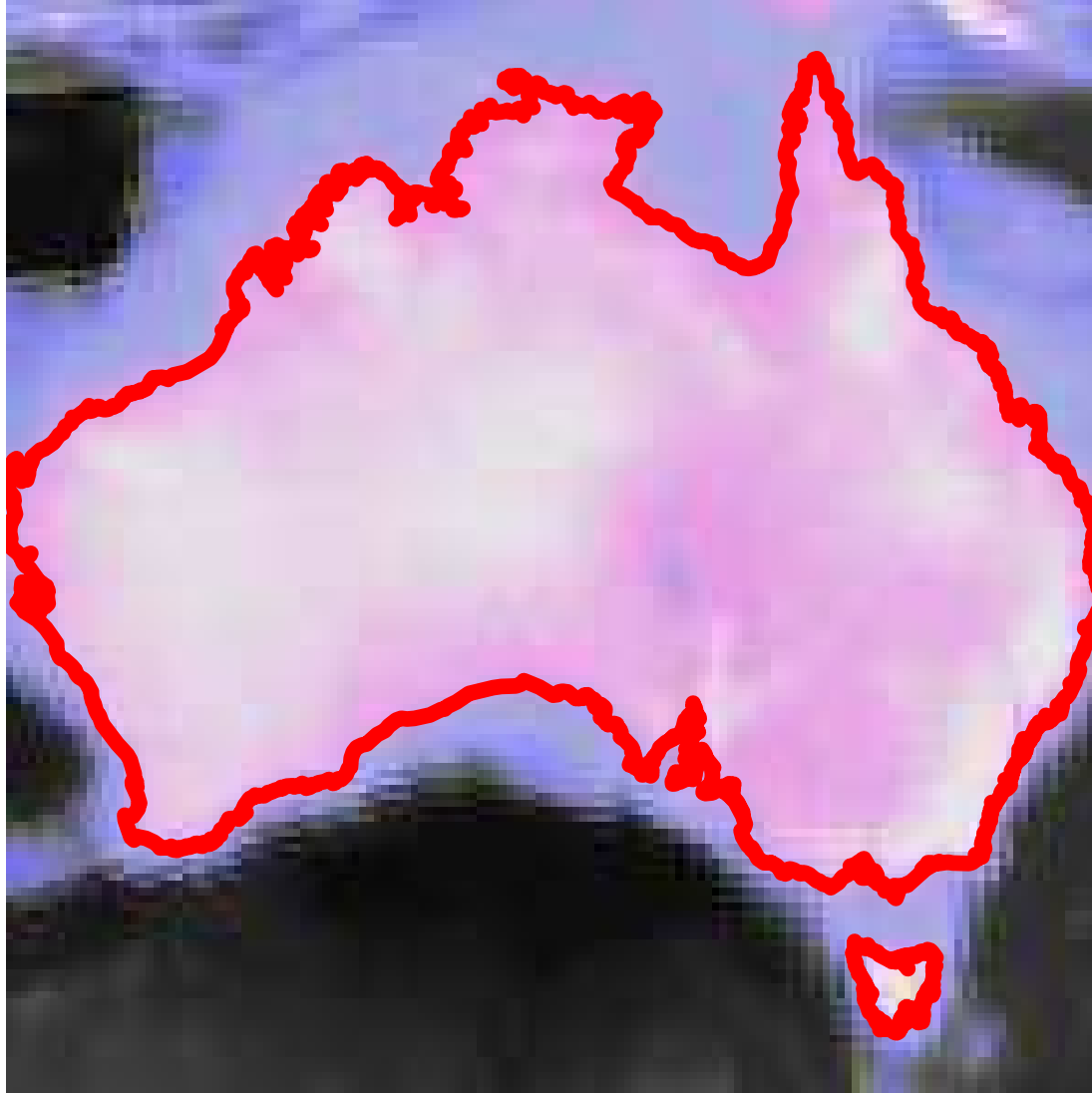
- Mapyrus uses clipping polygons to avoid drawing outside (or inside) a polygon



- Clipping is also used to create thick borders



- Mapyrus can display geo-referenced images, ESRI Shape files



- Images can be clipped too



- Mapyrus can display many icon formats too



- Mapyrus commands for icon example

```
newpage "eps", "icons.eps", 100, 50
```

```
let x = 12, y = 45, size = 16
```

```
while x < 80
```

```
do
```

```
  clearpath
```

```
  move x, y
```

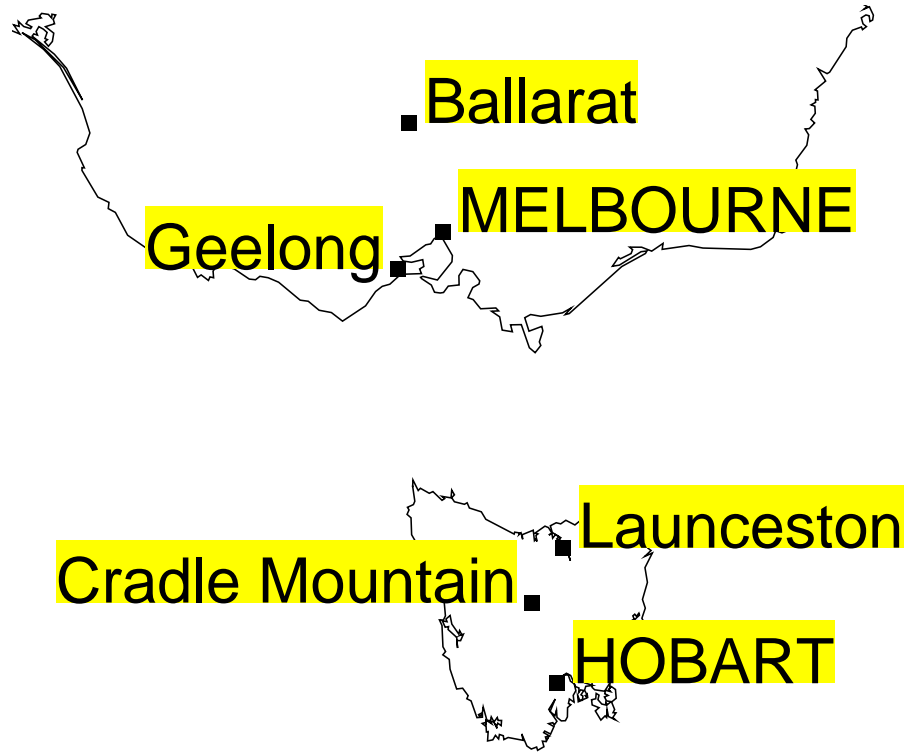
```
  icon "fosdem-logo.png", size
```

```
  let x = x + size / 3, y = y - size / 5
```

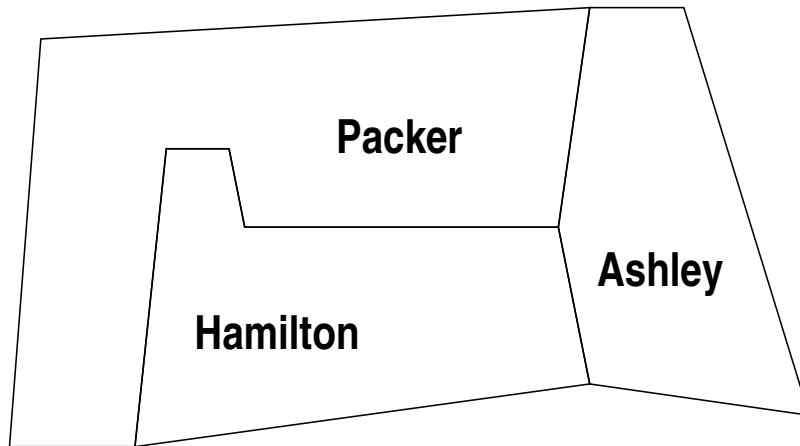
```
  let size = size * 1.35
```

```
done
```

- Overlapping labels can be avoided by protecting areas of page used by each label

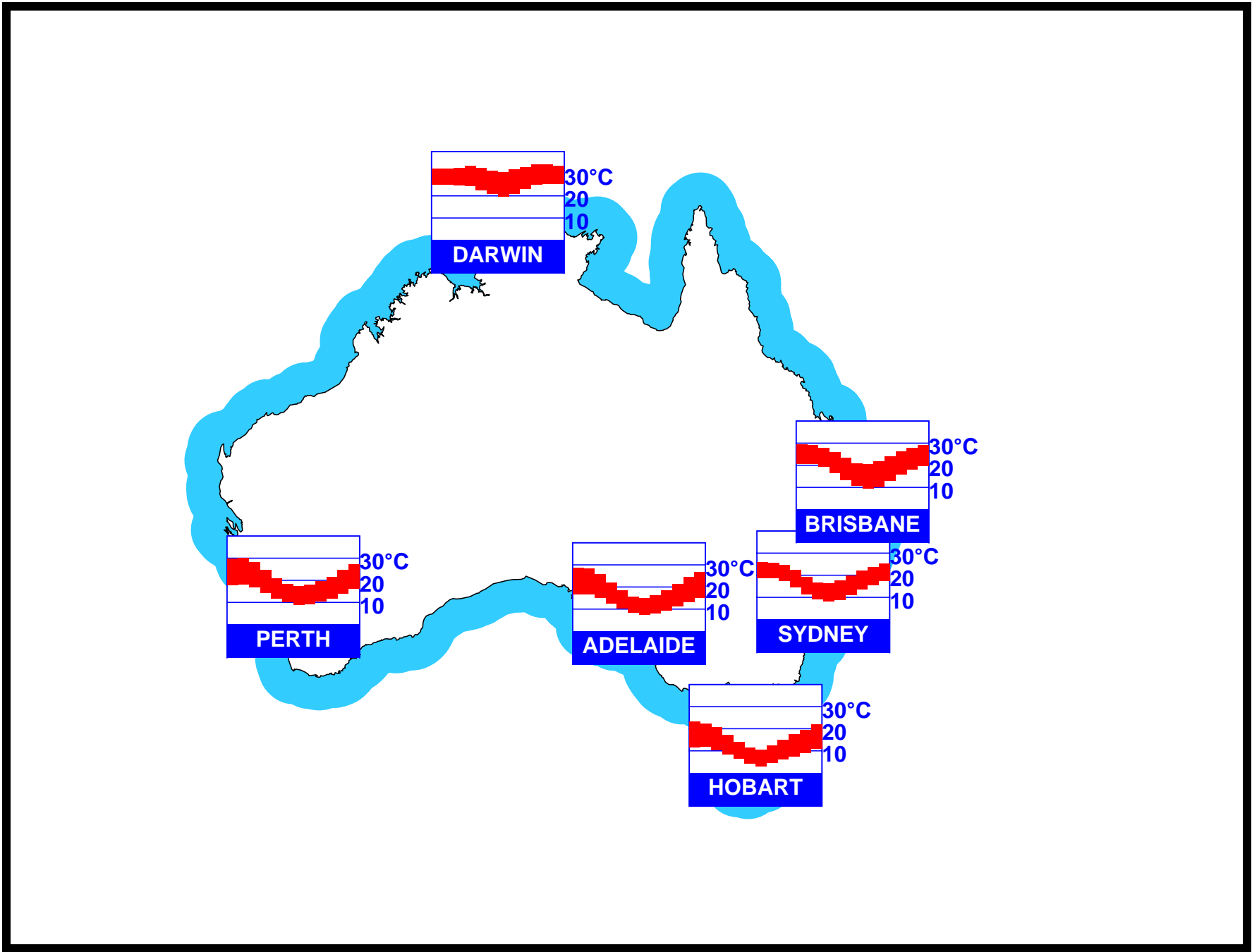


- Mapyrus includes "sinkhole" algorithm for calculating a label position inside a polygon



- Mapyrus is most useful when used with Geographic Information System (GIS) datasets containing geometrical data.
- Mapyrus can read data from text files, ESRI Shapefiles, or from an RDBMS using a Java JDBC connection

- Average monthly temperatures for Australian cities



- Mapyrus in use at <http://www.lawine.at> for creating
 Avanlanche warning maps

