Virtual Observatory & Data Mining

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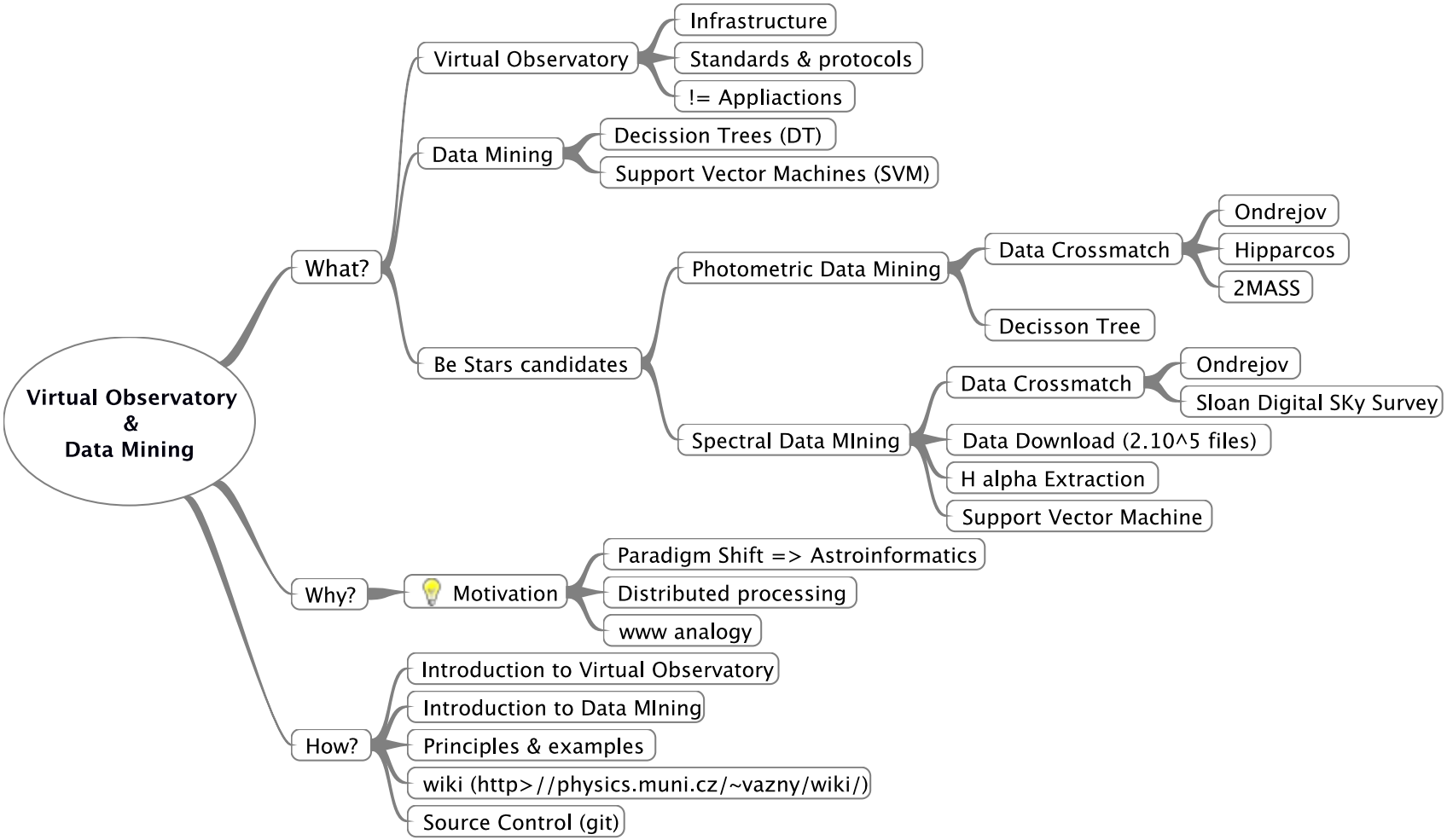
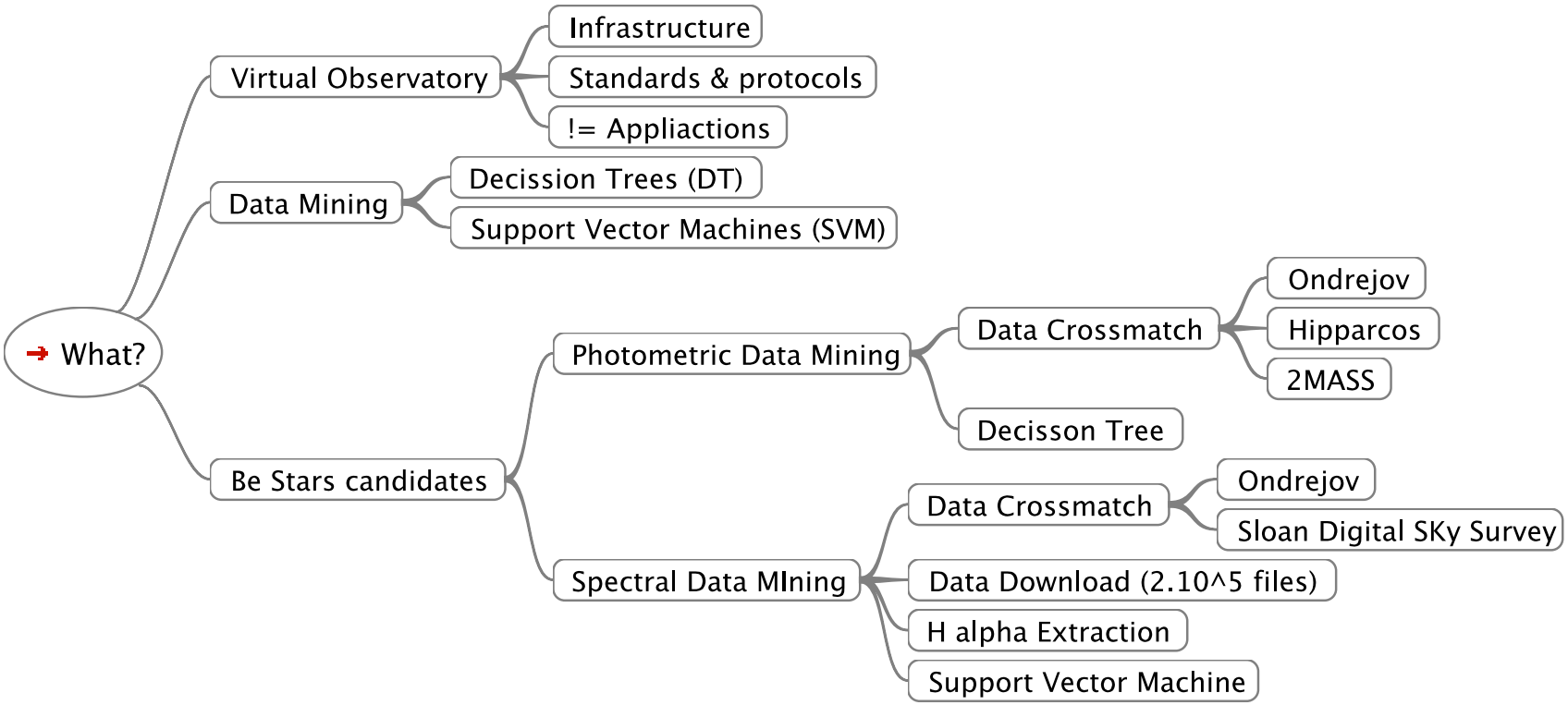
What is it all about?



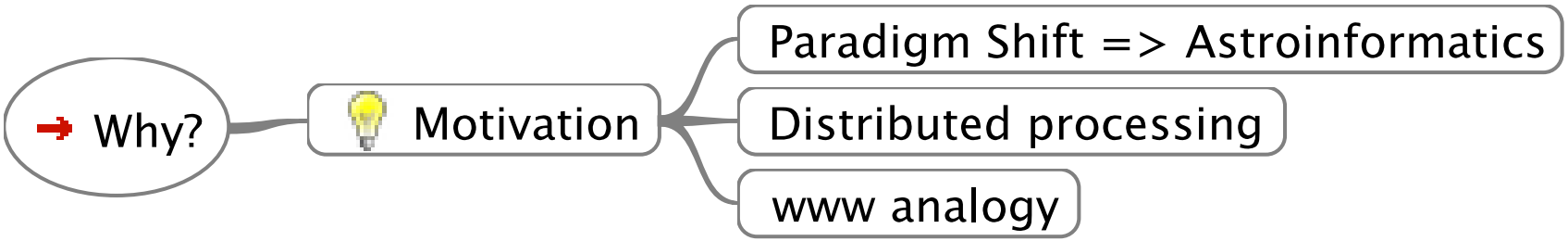
What is the target of this work?



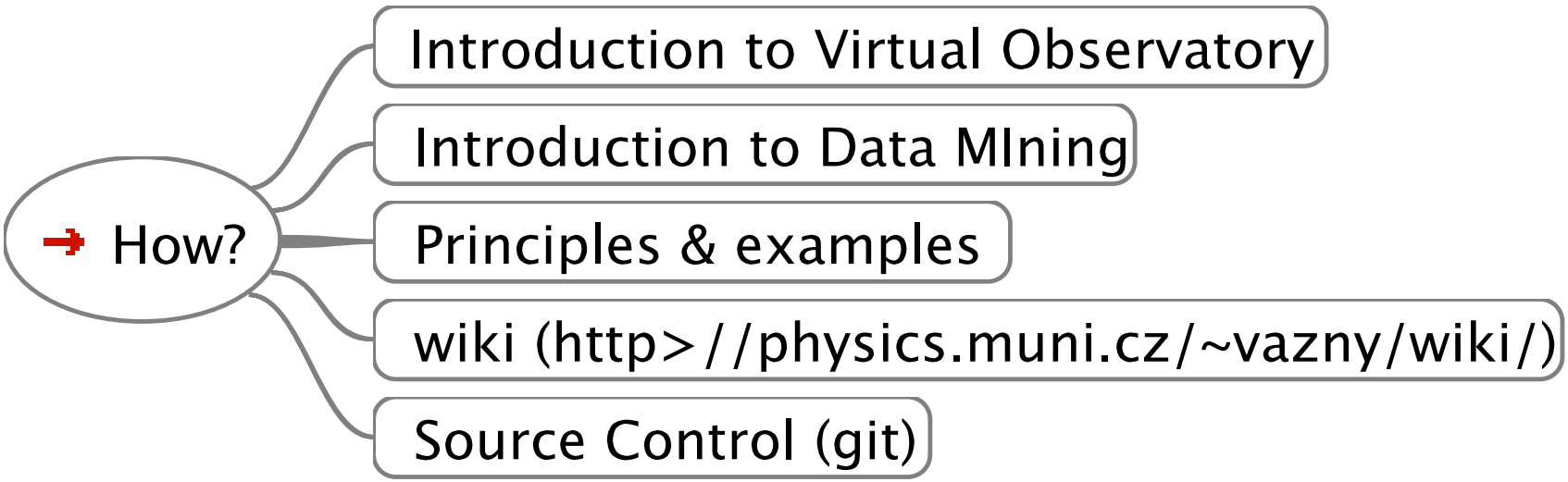
Photometric Data Mining

- **Be stars Vs B stars Data Mining**
  `http://physics.muni.cz/~vazny/wiki/index.php/Dm_B_vs_BE`
- **Be stars Vs B stars Color Diagram**
  `http://physics.muni.cz/~vazny/wiki/index.php/BeColorColor`

What is it interesting?



How is it done?



Example: Reading FITS file

```
In [1]: import pyfits
In [2]: hdulist = pyfits.open('spSpec-53237-1886-248.fit')
In [3]: hdulist.info()
Filename: spSpec-53237-1886-248.fit
No.    Name         Type      Cards   Dimensions   Format
0    PRIMARY    PrimaryHDU     213  (3874, 5)    float32
1               BinTableHDU     54  6R x 23C     [1E, 1E, ...
2               BinTableHDU     54  44R x 23C    [1E, 1E, ...
3               BinTableHDU     18  1R x 5C      [1E, 1E, ...
4               BinTableHDU     32  53R x 12C    [1J, 1J, ...
5               BinTableHDU     26  36R x 9C     [19A, 1E,
    ...
6               BinTableHDU     14  3874R x 3C   [1J, 1J, 1E]
```

It is more than thesis

- **Wiki Documentation**
  `http://physics.muni.cz/~vazny/wiki/index.php/Diploma_work`
- **Source Control (Git)**
  `https://github.com/astar/diplomaWork`

Wake up!

Q & A