

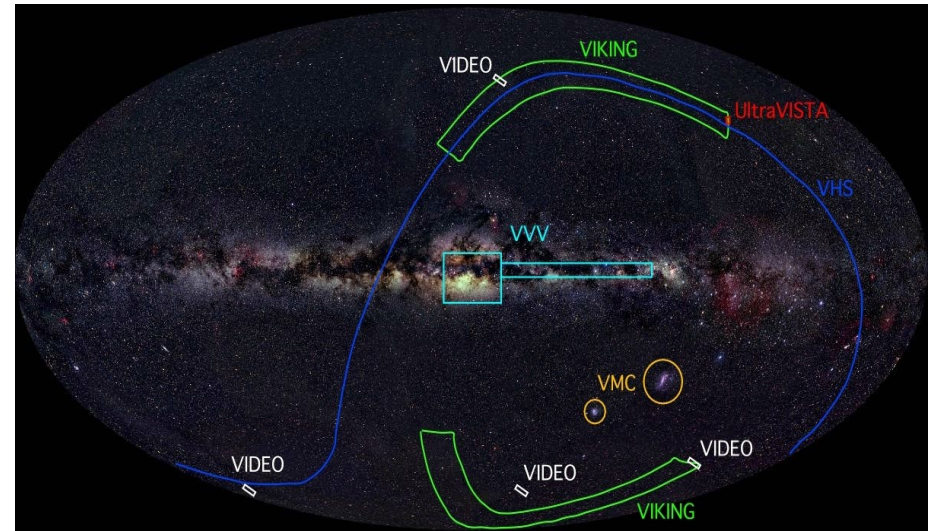
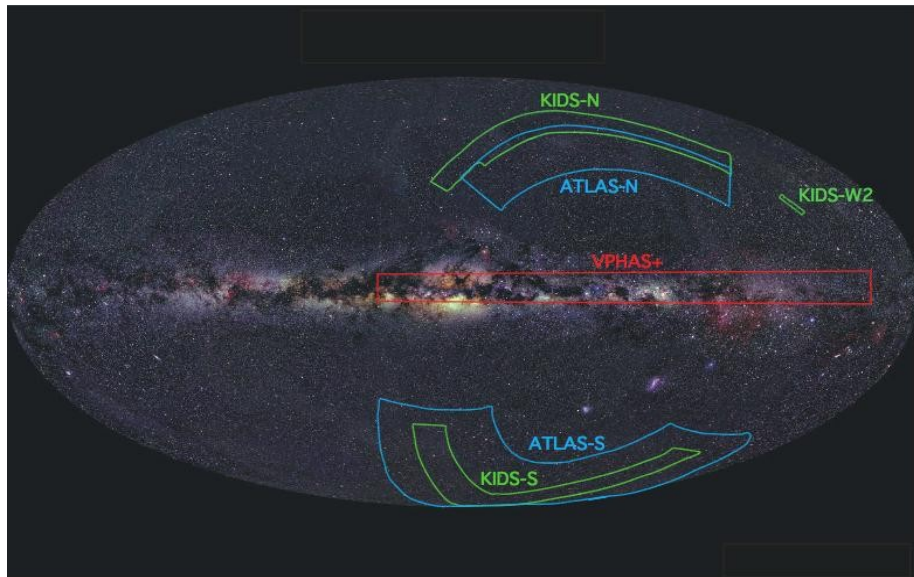
KIDS+VIKING

A.Belikov (OmegaCEN), N.Hambly (Edinburgh),

.....

KIDS+VIKING: Objectives

join two data sets in different spectral regions and the same spacial region



KIDS+VIKING: Problems Photometry

ugri+ZYJHK

uniform photometric system for north and south part

(ugriz)_{SDSS}

(YJHK)_{UKIDSS}

(JHKs)_{2MASS}

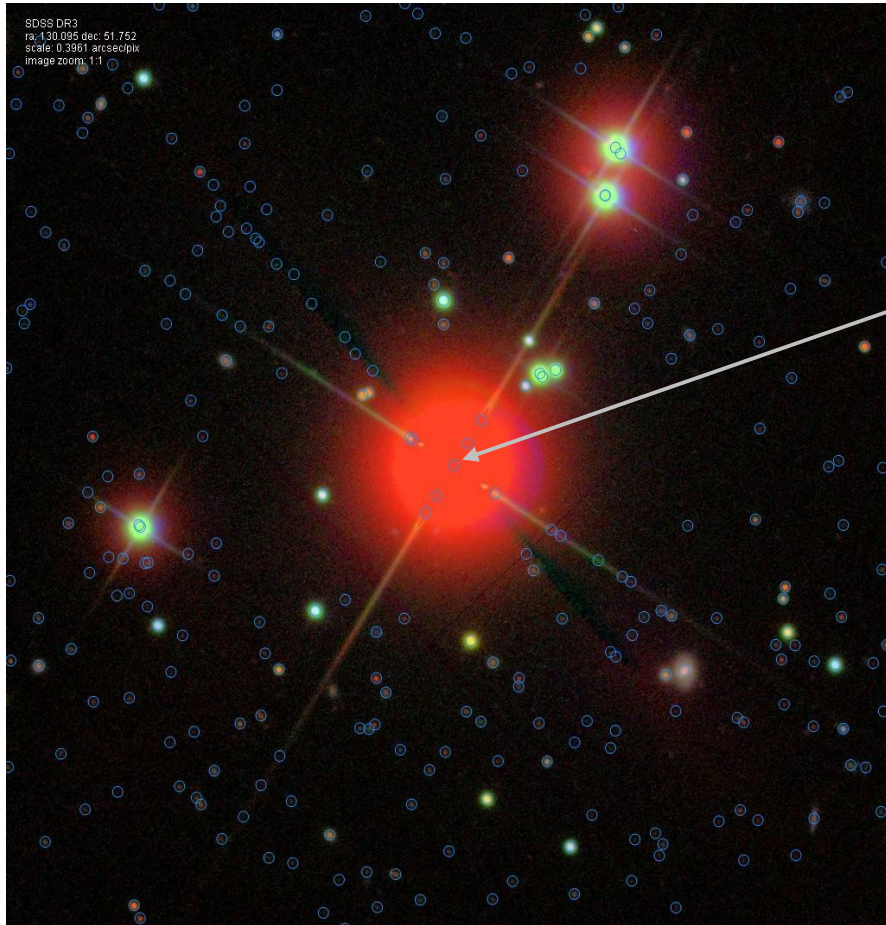
ugri+ZYJHKs

Problem of bright stars

ASCC 252936

B=8.73 mag, V=7.70 mag

G5III

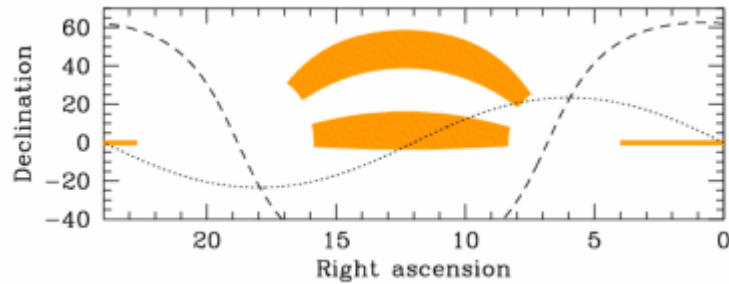


SDSS database

9 galaxies

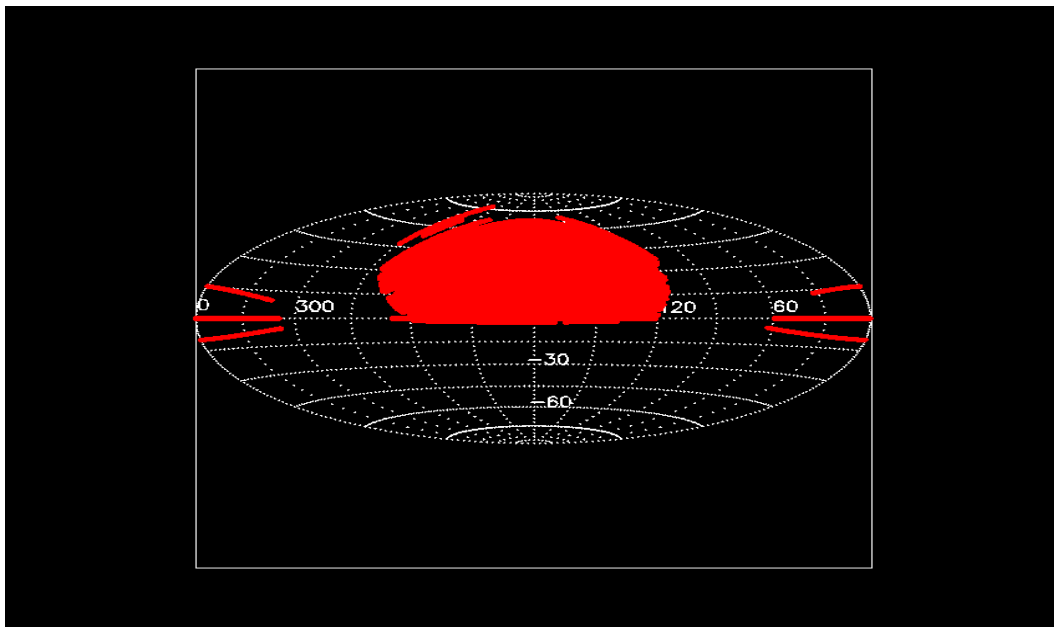
Bright stars ($V > 14$ mag)

KIDS+VIKING: Crossmatching



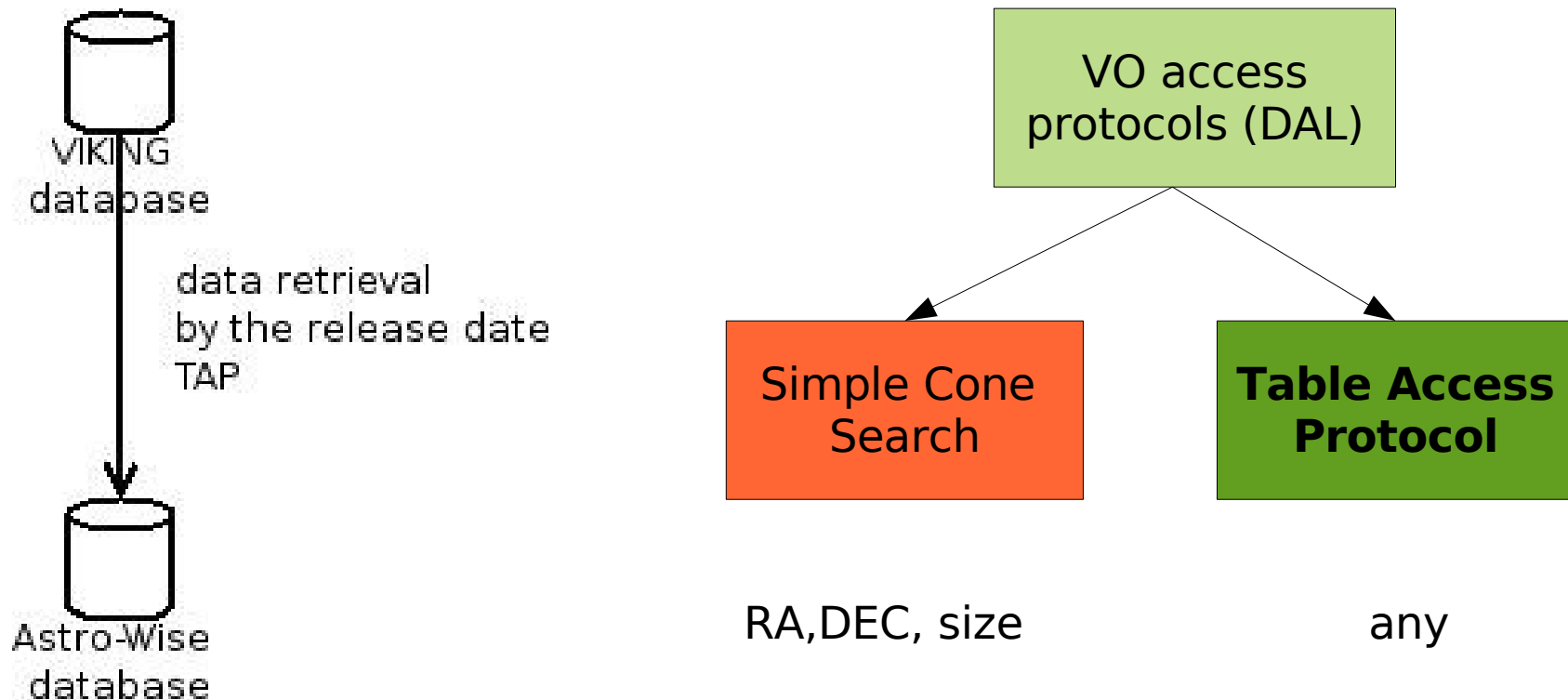
UKIDSS, SDSS: north part

2MASS, UKIDSS SDSS



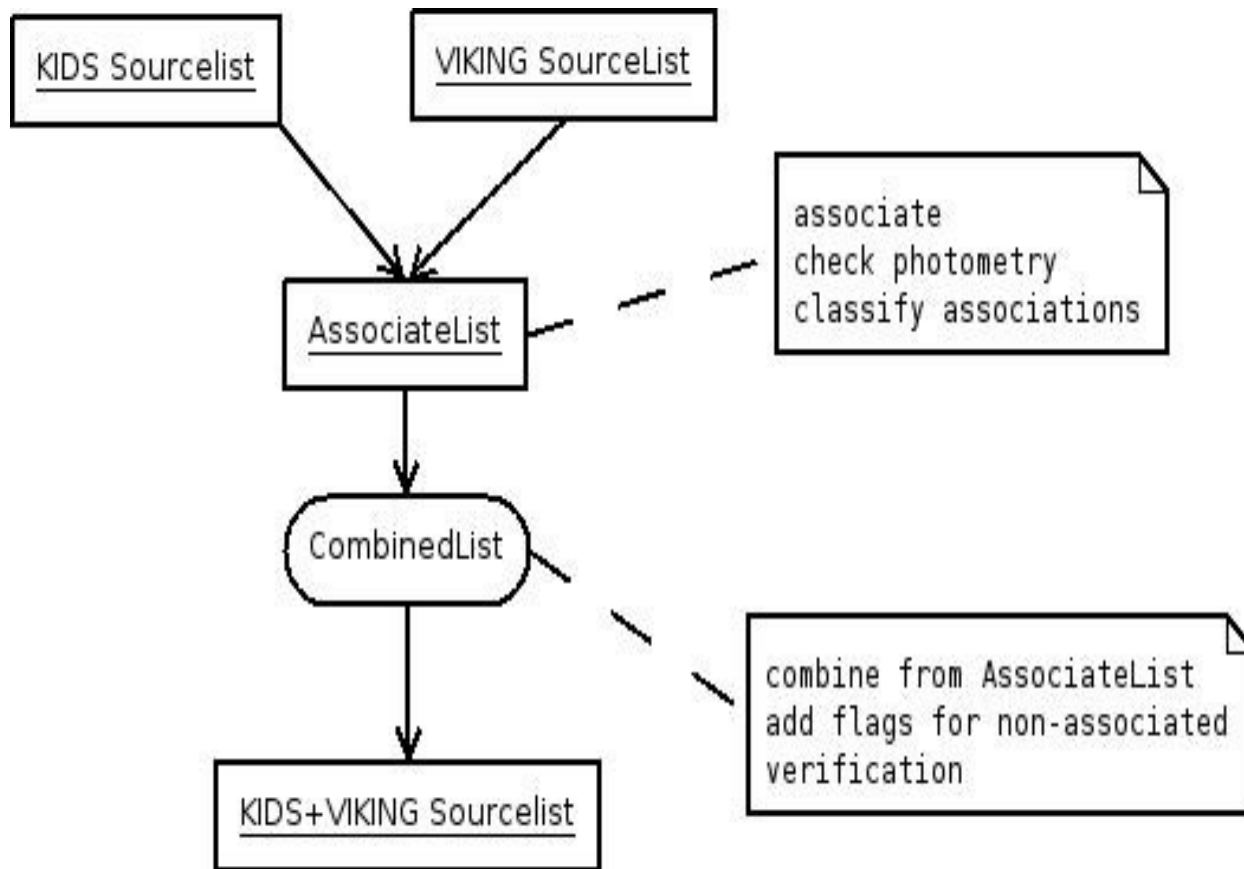
KIDS+VIKING: Data access

VO standards: general approach, reusability



security

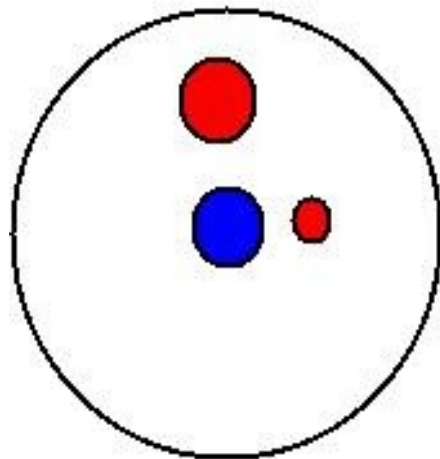
KIDS+VIKING: Processing



new SourceList

CombinedList

KIDS+VIKING: Crossmatch classification



coordinates

spectral information (magnitudes)

PSF? (shape)

AssociateList is not enough

KIDS+VIKING: Add-on values

extinction in each band

cross-identification

Do we need synthetic colors? Which library (BaSeL, Kurucz, MARCS, ...)?

prototype and general case