

The logo is contained within a white circle. It features a stylized blue starburst at the top and a yellow circle with a blue line passing through it at the bottom. The word "ESCAPE" is written in a large, bold, dark blue sans-serif font.

ESCAPE

European Science Cluster of Astronomy &
Particle physics ESFRI research Infrastructures

OSSR WP3, Task 3.3 Status & Outlook

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Task 3.3 – Activities

- ConCORDIA 1/3 – CORSIKA Container definition
 - CTA - ✓
 - KM3NeT - ✓
- ConCORDIA 2/3 – DIRAC framework integration
 - Scripting - ✓
 - GUI on DIRAC (works stand-alone)- ↻
- ConCORDIA 3/3 – ESAP/DIRAC integration - ↻
- CORSIKA new development
 - CTA - ✓
- CORSIKA performance
 - KM3NeT - ✓
- Using pyCORSIKAIO (developed in CTA) for KM3NeT - ✓
- Common data format (CTA-KM3NeT) -
 - ▶ activity in other WPs



- ConCORDIA 1/3 – CORSIKA Container definition
 - CTA
 - Finalized
 - Test production done (size, CPU)
 - Quality estimators: to be defined
 - KM3NeT
 - Finalized
 - Test production done (size, CPU)
 - Quality estimators: to be defined



- ConCORDIA 2/3 – DIRAC framework integration
 - DIRAC launcher script ready
 - Scripting interface
 - Ready
 - GUI interface
 - Ready in stand-alone mode, need to complete migration to DIRAC
 - Instructional video (tutorial) also requested



- ConCORDIA 3/3 – ESAP/DIRAC integration
 - Container with ESAP backend + DIRAC client
 - Works with CTA script and access
 - Authentication: workaround to use IAM-RCAuth launch
 - Steadily approaching completeness, will need some months



- CORSIKA new developments
 - CTA
 - Fluorescence radiation implementation working
 - Performance optimization satisfactory
- CORSIKA performance study
 - KM3NeT
 - Performance of EINTER (IceCube) options studied and understood

