**Impacted Work Packages Script for ArchiMate Views**

**Tool**: jArchi  
**Version**: 1.2  
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**Author**: Nico Santos  
**Ownership**: Property of BHP (Internal Use Only)

### **Overview**

This script analyses Work Packages in a selected ArchiMate view to identify overlaps and impacts from other active Work Packages across the model. It cross-references capabilities and overlapping schedules to assess delivery conflicts or coordination opportunities.

### **Key Features**

* Identifies Work Packages in the view and their start/end dates.
* Finds realised capabilities for each Work Package.
* Locates other model Work Packages that:
  + Realise the same capability
  + Are marked as Active
  + Have overlapping date ranges
* Outputs detailed findings in the console.

### **How to Use**

1. **Select a View**In jArchi, select an ArchiMate diagram view that contains Work Packages.
2. **Run the Script**Launch the script in the scripting console.
3. **Review Output**The script will log:
   * Start and End dates for each Work Package
   * Capabilities they realise
   * List of other Active Work Packages impacting them
   * Skipped entries (e.g., due to missing/invalid dates)

### **Date Format Support**

* Accepts YYYY-MM-DD (ISO) and D/M/YYYY or DD/MM/YYYY
* Invalid or missing dates are skipped with warnings

### **Notes**

* Does not modify the model or view—only reads and logs data.
* Capabilities must be realised via realization-relationship.
* Uses concept ID to avoid comparing a Work Package to itself.
* Reports skipped items where dates are not usable.