

JPL EXPORT ADMINISTRATION DOCUMENT REVIEW RECORD
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Log #: 12201-12220

(Note: This form and process do not replace the procedures described in JPL Policy relating to review and approval of proposals and contractual documents. This process is intended to document the review and coordination of requests to ascertain the export control ramifications relating to specific documents. Export Administration signature does not convey authority to export or release the "Exporter of Record" from any export laws or regulations.)

**Program:** ISSM: Ice Sheet System Model

**Person Requesting or Initiating Export:** Dr. Eric Larour

**Date Received:** Jun-1-2012

**Document Title/Description:** ISSM changes from revision 12201 to revision 12220

**Release to:** <http://issm.ess.uci.edu/svn/issm/issm/trunk> on ISSM svn repository

**JPL Intranet:** [murdo.jpl.nasa.gov/proj/ice/larour/issm-uci/trunk-jpl](http://murdo.jpl.nasa.gov/proj/ice/larour/issm-uci/trunk-jpl)

**Disposition: 6** Does not contain export-controlled information. May be released/disclosed as requested subject to Company guidelines on protection of proprietary information (if applicable).

**Comments:** see table of changes below.

**Reviewed by ISSM Export Transfer Liaison:** Dr. Eric Larour      **Date:** Jun-1-2012



JPL Export Administration Form TBS June 29, 2011

**Disposition:**

- 1: Public Domain Information (Ref ITAR Section 120.11)
- 2: Qualifies for ITAR Exemption
- 3: Covered by Department of State License/Agreement Number
- 4: Covered by Department of Commerce validated license or exception
- 5: New License Required
- 6: Does not contain export-controlled information. May be released/disclosed as requested subject to Company guidelines on protection of proprietary information (if applicable).
- 7: Other (specify)

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**Change #1** with diff file ISSM-12201-12202.diff:

Function name:

M /issm/trunk-jpl/etc/environment\_variables.sh

Export determination: 6.

Rationale: changed ISSM\_TIER to ISSM\_DIR M /issm/trunk-jpl/src/c/modules/Krigingx/Krigingx.cpp  
minor

**Change #2** with diff file ISSM-12202-12203.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/Krigingx/Krigingx.cpp

Export determination: 6.

Rationale: minor M /issm/trunk-jpl/externalpackages/windows/windows\_environment.sh  
Updating ISSM\_TIER to ISSM\_DIR

**Change #3** with diff file ISSM-12203-12204.diff:

Function name:

M /issm/trunk-jpl/externalpackages/windows/windows\_environment.sh

Export determination: 6.

Rationale: Updating ISSM\_TIER to ISSM\_DIR M /issm/trunk-jpl/src/c/modules/Krigingx/Krigingx.cpp  
Missing ifdef

**Change #4** with diff file ISSM-12204-12205.diff:

Function name:

M /issm/trunk-jpl/src/c/modules/Krigingx/Krigingx.cpp

Export determination: 6.

Rationale: Missing ifdef M /issm/trunk-jpl/externalpackages/windows/configs/sdk7.1.win7-64.sh  
Took out user name schlegel

**Change #5** with diff file ISSM-12205-12206.diff:

Function name:

M /issm/trunk-jpl/externalpackages/windows/configs/sdk7.1.win7-64.sh

Export determination: 6.

Rationale: Took out user name schlegel M /issm/trunk-jpl/externalpackages/vim/addons/vim/syntax/c.vim  
updating syntax highlighting

**Change #6** with diff file ISSM-12206-12207.diff:

Function name:

M /issm/trunk-jpl/externalpackages/vim/addons/vim/syntax/c.vim

Export determination: 6.

Rationale: updating syntax highlighting M /issm/trunk-jpl/src/c/Makefile.am

M /issm/trunk-jpl/src/c/modules/Krigingx/Krigingx.cpp M /issm/trunk-jpl/src/c/modules/Krigingx/Krigingx.h

A /issm/trunk-jpl/src/c/objects/Kriging/Observation.cpp A /issm/trunk-jpl/src/c/objects/Kriging/Observation.h

A /issm/trunk-jpl/src/c/objects/Kriging/Quadtree.cpp A /issm/trunk-jpl/src/c/objects/Kriging/Quadtree.h

M /issm/trunk-jpl/src/c/objects/Kriging/Variogram.h M /issm/trunk-jpl/src/c/objects/objects.h

Added from objects for Kriging

**Change #7** with diff file ISSM-12207-12208.diff:

Function name:

M /issm/trunk-jpl/src/c/Makefile.am M /issm/trunk-jpl/src/c/modules/Krigingx/Krigingx.cpp

M /issm/trunk-jpl/src/c/modules/Krigingx/Krigingx.h A /issm/trunk-jpl/src/c/objects/Kriging/Observation.h

A /issm/trunk-jpl/src/c/objects/Kriging/Observation.h A /issm/trunk-jpl/src/c/objects/Kriging/Quadtree.h

A /issm/trunk-jpl/src/c/objects/Kriging/Quadtree.h M /issm/trunk-jpl/src/c/objects/Kriging/Variogram.h

M /issm/trunk-jpl/src/c/objects/objects.h

Export determination: 6.

Rationale: Added from objects for Kriging M /issm/trunk-jpl/externalpackages/windows/configs/sdk7.1.win7-

32.sh New 32 bit win7

**Change #8** with diff file ISSM-12208-12209.diff:

Function name:

M /issm/trunk-jpl/externalpackages/windows/configs/sdk7.1.win7-32.sh

Export determination: 6.

Rationale: New 32 bit win7 M /issm/trunk-jpl/externalpackages/windows/windows\_environment.sh

OS independent

**Change #9** with diff file ISSM-12209-12210.diff:

Function name:

M /issm/trunk-jpl/externalpackages/windows/windows\_environment.sh

Export determination: 6.

Rationale: OS independent A /issm/trunk-jpl/src/c/Container/Observations.cpp

A /issm/trunk-jpl/src/c/Container/Observations.h M /issm/trunk-jpl/src/c/Makefile.am

M /issm/trunk-jpl/src/c/modules/Krigingx/Krigingx.cpp M /issm/trunk-jpl/src/c/modules/Krigingx/Krigingx.h

M /issm/trunk-jpl/src/c/objects/Kriging/Quadtree.cpp M /issm/trunk-jpl/src/c/objects/Kriging/Quadtree.h

Added Observations dataset

**Change #10** with diff file ISSM-12210-12211.diff:

Function name:

A /issm/trunk-jpl/src/c/Container/Observations.cpp A /issm/trunk-jpl/src/c/Container/Observations.h

M /issm/trunk-jpl/src/c/Makefile.am M /issm/trunk-jpl/src/c/modules/Krigingx/Krigingx.cpp

M /issm/trunk-jpl/src/c/modules/Krigingx/Krigingx.h M /issm/trunk-jpl/src/c/objects/Kriging/Quadtree.h

M /issm/trunk-jpl/src/c/objects/Kriging/Quadtree.h

Export determination: 6.

Rationale: Added Observations dataset A /issm/trunk-jpl/configs/config-linux64-ubuntu64.sh Ubuntu 64 configuration

**Change #11** with diff file ISSM-12211-12212.diff:

Function name:

A /issm/trunk-jpl/configs/config-linux64-ubuntu64.sh

Export determination: 6.

Rationale: Ubuntu 64 configuration A /issm/trunk-jpl/externalpackages/petsc/install-3.1-ubuntu64.sh New ubuntu64 petsc install

**Change #12** with diff file ISSM-12212-12213.diff:

Function name:

A /issm/trunk-jpl/externalpackages/petsc/install-3.1-ubuntu64.sh

Export determination: 6.

Rationale: New ubuntu64 petsc install M /issm/trunk-jpl/src/c/Container/Observations.cpp

M /issm/trunk-jpl/src/c/Container/Observations.h M /issm/trunk-jpl/src/c/Container/Vertices.h

M /issm/trunk-jpl/src/c/modules/Krigingx/Krigingx.cpp M /issm/trunk-jpl/src/c/objects/Kriging/Observations.h

M /issm/trunk-jpl/src/c/objects/Kriging/Quadtree.cpp M /issm/trunk-jpl/src/c/objects/Kriging/Quadtree.h

M /issm/trunk-jpl/src/c/shared/Elements/elements.h Fixed quadtree

**Change #13** with diff file ISSM-12213-12214.diff:

Function name:

M /issm/trunk-jpl/src/c/Container/Observations.cpp M /issm/trunk-jpl/src/c/Container/Observations.h

M /issm/trunk-jpl/src/c/Container/Vertices.h M /issm/trunk-jpl/src/c/modules/Krigingx/Krigingx.cpp

M /issm/trunk-jpl/src/c/objects/Kriging/Observation.cpp M /issm/trunk-jpl/src/c/objects/Kriging/Quadtree.h

M /issm/trunk-jpl/src/c/objects/Kriging/Quadtree.h M /issm/trunk-jpl/src/c/shared/Elements/elements.h

Export determination: 6.

Rationale: Fixed quadtree M /issm/trunk-jpl/etc/environment.sh Minor typo

**Change #14** with diff file ISSM-12214-12215.diff:

Function name:

M /issm/trunk-jpl/etc/environment.sh

Export determination: 6.

Rationale: Minor typo M /issm/trunk-jpl/externalpackages/gsl/install-linux64.sh

M /issm/trunk-jpl/externalpackages/gsl/install-macosx64.sh wrong url

**Change #15** with diff file ISSM-12215-12216.diff:

Function name:

M /issm/trunk-jpl/externalpackages/gsl/install-linux64.sh M /issm/trunk-jpl/externalpackages/gsl/install-macosx64.sh

Export determination: 6.

Rationale: wrong url M /issm/trunk-jpl/src/c/objects/Bamg/QuadTree.cpp M

/issm/trunk-jpl/src/c/objects/Bamg/QuadTree.h M /issm/trunk-jpl/src/c/objects/Kriging/Quadtree.cpp

M /issm/trunk-jpl/src/c/objects/Kriging/Quadtree.h MaxDepth is now a field

for Quadtree

**Change #16** with diff file ISSM-12216-12217.diff:

Function name:

M /issm/trunk-jpl/src/c/objects/Bamg/QuadTree.cpp M /issm/trunk-jpl/src/c/objects/Bamg/QuadTree.h

M /issm/trunk-jpl/src/c/objects/Kriging/Quadtree.cpp M /issm/trunk-jpl/src/c/objects/Kriging/Quadtree.h

Export determination: 6.

Rationale: MaxDepth is now a field for Quadtree A /issm/trunk-jpl/test/NightlyRun/test137.m

A /issm/trunk-jpl/test/NightlyRun/test527.m Readded Bamg tests

**Change #17** with diff file ISSM-12217-12218.diff:

Function name:

A /issm/trunk-jpl/test/NightlyRun/test137.m A /issm/trunk-jpl/test/NightlyRun/test527.m

Export determination: 6.

Rationale: Readded Bamg tests M /issm/trunk-jpl/src/c/Makefile.am M /issm/trunk-

jpl/src/c/modules/Bamgx/Bamgx.cpp A /issm/trunk-jpl/src/c/objects/Bamg/BamgQuadtree.cpp

(from /issm/trunk-jpl/src/c/objects/Bamg/QuadTree.cpp:12216) A /issm/trunk-

jpl/src/c/objects/Bamg/BamgQuadtree.h (from /issm/trunk-jpl/src/c/objects/Bamg/QuadTree.h:12216)

M /issm/trunk-jpl/src/c/objects/Bamg/Geometry.cpp M /issm/trunk-jpl/src/c/objects/Bamg/Geometry.h

M /issm/trunk-jpl/src/c/objects/Bamg/Mesh.cpp M /issm/trunk-jpl/src/c/objects/Bamg/Mesh.h

D /issm/trunk-jpl/src/c/objects/Bamg/QuadTree.cpp D /issm/trunk-jpl/src/c/objects/Bamg/QuadTree.h

M /issm/trunk-jpl/src/c/objects/objects.h renamed QuadTree BamgQuadtree

to avoid conflicts with Kriging's Quadtree

**Change #18** with diff file ISSM-12218-12219.diff:

Function name:

M /issm/trunk-jpl/src/c/Makefile.am M /issm/trunk-jpl/src/c/modules/Bamgx/Bamgx.cpp

A /issm/trunk-jpl/src/c/objects/Bamg/BamgQuadtree.cpp (from /issm/trunk-

jpl/src/c/objects/Bamg/QuadTree.cpp:12216) A /issm/trunk-jpl/src/c/objects/Bamg/BamgQuadtree.h

(from /issm/trunk-jpl/src/c/objects/Bamg/QuadTree.h:12216) M /issm/trunk-

jpl/src/c/objects/Bamg/Geometry.cpp M /issm/trunk-jpl/src/c/objects/Bamg/Geometry.h

M /issm/trunk-jpl/src/c/objects/Bamg/Mesh.cpp M /issm/trunk-jpl/src/c/objects/Bamg/Mesh.h

D /issm/trunk-jpl/src/c/objects/Bamg/QuadTree.cpp D /issm/trunk-jpl/src/c/objects/Bamg/QuadTree.h

M /issm/trunk-jpl/src/c/objects/objects.h

Export determination: 6.

Rationale: renamed QuadTree BamgQuadtree to avoid conflicts with Kriging's

Quadtree M /issm/trunk-jpl/src/modules/Kriging/Kriging.cpp Added support

for matrices

**Change #19** with diff file ISSM-12219-12220.diff:

Function name:

M /issm/trunk-jpl/src/modules/Kriging/Kriging.cpp

Export determination: 6.

Rationale: Added support for matrices M /issm/trunk-jpl/m4/issm\_options.m4

Check whether fortran libraries are excluded