**New IPDS Product**

**Bibliodata, Data or Software Release Form**

*(rev. July 2018)*

Please complete this form for all products and email to your IPDS Product Steward **(and cc: SBSC’s Data Steward** [**tarundel@usgs.gov**](mailto:tarundel@usgs.gov)**)**. Include with this email: internal peer reviewer approval from your supervisor, your original manuscript attachment, and this completed bibliodata form. Flagstaff-based authors: your IPDS Product Steward is: [smankiller@usgs.gov](mailto:smankiller@usgs.gov). Moab- or Tucson-based authors: your IPDS Product Steward is [sselleck@usgs.gov](mailto:sselleck@usgs.gov).

Date: \_02/07/2019\_\_\_

**Special Product/High-Impact Alert,** is media release requested? If so, then please contact SBSC leadership (Dave Lytle, Ted Melis), and Science Outreach Biologist (Todd Wojtowicz) with your suggestions: **\_\_\_No\_\_\_\_**

**Important Deadline: \_\_\_\_\_\_\_\_\_\_**

**Product Type** (abstract; journal article; book chapter; USGS Series report; etc.): \_\_\_\_Journal article\_\_\_\_\_\_

**Working Title**:

\_ Evaluating natural experiments in ecology: the use of synthetic controls in assessments of remotely-sensed land-treatment effects. \_\_\_\_\_\_\_\_\_

**Intended Outlet** (journal name; book name, etc.)

Rangeland Ecology and Management

If Journal: Does it use a publicly open Peer Review process? (yes/no). If so, you must get USGS Bureau (BAO) approval *before* initial submission of your draft ms to the journal.

**For abstracts/posters/presentations, provide *Conference name, dates and city/state location*:**

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**SBSC Senior Author & ORCID #** (You, as this product’s manager, will be entered as the Senior USGS Author.)**:**

Name: \_\_Mike Duniway\_\_\_\_\_\_\_\_\_\_\_\_ http://orcid.org/\_0000-0002-9643-2785\_\_\_\_\_\_\_\_\_\_\_\_\_

**USGS Co-Authors & ORCID #’s** (provide ORCID # for all USGS co-authors who do not work for SBSC)**:**

Co-author name: \_Stephen E. Fick\_\_\_\_\_\_\_\_\_\_\_\_ http://orcid.org/0000-0002-3548-6966\_

Co-author name: \_Travis Nauman\_\_\_\_\_\_\_\_\_\_\_\_ http://orcid.org/0000-0001-8004-0608\_

**Other Contributors (Name and Affiliation)**. We can copy this from your ms or you can list them here (no ORCID # needed)**:**

Name: \_\_Colby Brungard\_ \_\_\_\_\_\_ Affiliation: \_\_New Mexico State University\_

Obtain initial review/approval from your supervisor unless s/he is a co-author on this product:

**Who is your Supervisor?** \_\_Kathryn Thomas\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Is your Supervisor a co-author?** **\_\_\_\_ Yes \_\_X\_\_ No** *(if yes, s/he may not review/approve this product-see below)*

*If yes,* name your supervisor’s supervisor: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (obtain supervisory review/approval from this person)

**Data & Software Release Information Required:**

**Data Management Plan?**  **\_\_\_\_ Yes \_\_X\_\_ No** 🡨 *Not Applicable to abstracts, presentations, posters*

**Is the data product described in the Data Management Plan?**  **\_\_\_\_ Yes \_\_X\_\_ No** 🡨 *ditto, above*

**The questions below need to be answered for all product types:**

Provide name of organization(s) that provided funding for the research associated with this product:

National Resource Conservation Service, USGS Mission Area

Does the publisher require publishing the scientific data associated with this product? \_\_X\_\_ Yes\_\_ \_ No

Is there software or software code associated with this product? \_\_X\_\_ Yes \_\_\_ No

**Was data collection USGS funded?** *(required for all products):* **\_\_\_ Yes \_\_X\_\_ No**

**BASIS #** *(required for all products):* \_ GR.19.ZD02.BNIRH.00\_\_\_\_\_\_\_ (Ask your Budget Analyst if you don’t know. If a # does not exist, please say why & that will go in the Notes tab.)

**Publication Description and Impact**. Provide 1-2 sentences that generally describe your product (informs DOI officials & USGS communications staff). *Do not include details on:* policy, economic, and scientific findings here.

\_\_ Synthetic control is a technique developed in the social sciences which determines treatment effects in the absence of perfectly matched, a priori controls. Using simulations and a case study involving a large-scale brush clearing management event, we show how synthetic control can intuitively infer treatment effect sizes from satellite data, even in the presence of confounding noise from climate anomalies, long-term vegetation dynamics, or sensor error\_\_\_\_\_\_\_

**Planned Dissemination Date.** Approx date when product might be published (e.g., abstracts use conference start date). Otherwise, guess for six-to-twelve months out: \_\_June 2020\_\_\_\_\_\_\_ (month/year)

**Cooperators** *(required for all products)*: \_\_National Resources Conservation Service\_\_\_\_\_\_\_\_\_

**Publisher** (if you know): \_\_Wiley\_\_\_\_\_\_\_\_\_\_\_\_\_

**Mission & Program Areas:** **Select one Mission Area**. If unsure because of multiple funding sources, pick the area that contributed the most or is most practical related to your work for this product. There is no category for reimbursable funding sources but we can enter a comment in the “Notes” tab.

|  |  |
| --- | --- |
| **“X”** | **USGS MISSION AREA – Select *ONE only*** *These are most often used by SBSC authors* |
| X | Ecosystems |
|  | Energy and Minerals |
|  | Environmental Health |
|  | Water |

|  |  |
| --- | --- |
| **“X”** | **USGS PROGRAM AREA – Select ONE or MORE** *This is where your funding comes from* |
|  | Climate Research and Development |
|  | Contaminant Biology Program |
| X | Environments Program |
|  | Fisheries Program |
|  | Invasive Species Program |
|  | Land Remote Sensing Program |
|  | Land Change Science |
|  | NCCWSC |
|  | Science Support |
| X | Status and Trends |
|  | Wildlife Program |
|  | Science Synthesis, Analysis and Research Program |

Comments for IPDS Notes tab (e.g., Reimbursable Funding Source, etc.): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**General Guidance & Additional Info for SBSC Product Submission/Approvals**

**& Required IPDS Metadata**

*All Information Products (IPs) that you intend to publish using USGS in your byline must go through*

*USGS Fundamental Science Process (FSP) review, including entry into the USGS*

*Information Product Data System (IPDS) tracking and approval data base*

**IPDS Home Page:** <https://ipds.usgs.gov/SitePages/Home.aspx>

**Detailed Guidance available at IPDS Help:** <https://ipds.usgs.gov/IPDSHelp/Help.aspx>

**IPDS Product Steward for Flagstaff**-based authors: [smankiller@usgs.gov](mailto:smankiller@usgs.gov).

**IPDS Product Steward for Moab- or Tucson**-based authors: [sselleck@usgs.gov](mailto:sselleck@usgs.gov).

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**General Submission Package Requirements to send to your IPDS Product Steward:**

Fill out a bibliodata form (above, in this document) for all products and email it to your IPDS Product Steward

**(cc: SBSC’s Data Steward** [tarundel@usgs.gov](mailto:tarundel@usgs.gov)**)**. Include with this email:

* Internal peer reviewer approval from your supervisor *(more details below)*.
* The original manuscript attachment.
* This completed bibliodata form.

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**Initiating a Product (IP) for IPDS entry:**

* **Email your supervisor.** Your supervisor may be a peer reviewer as long as he or she is not a co-author on this product (and agrees to provide a review). If your supervisor is a co-author, email your approval request to his or her supervisor.
* Ask supervisor to approve your product and internal peer reviewer.
* Include your suggested internal reviewer’s name, affiliation & a credentials statement.
  + Your internal reviewer does not have to be a USGS employee, but may not be a subordinate of the USGS Senior Author (due to perceived conflict of interest) & must be qualified to review the product.
  + A credentials statement is 1-2 sentences about why the reviewer is qualified to review the product.
* Your supervisor will provide you with his or her approval by return email. *(This is one of the items that you send to your Product Steward as part of your submission package—see General Submission info above.)*

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**How Many Peer Reviewers do I need for my product type?**

* **For Journal Articles:** 
  + One supervisor-approved internal reviewer is required.
  + The journal’s reviewer(s) will count as your second peer reviewer.
  + All review comments must be reconciled.
* **For USGS Series Reports, Extended Abstracts, Book Chapters or Reviews, Cooperator Reports:** 
  + Two supervisor-approved internal peer reviewers are required for any of the above product types.
  + All review comments must be reconciled.
  + Book chapters: your supervisor may be one internal reviewer (as long as he or she agrees to provide a review and is not a co-author).
    - The book Editor can provide a review but it does not count as one of your internal reviewers.
    - All review comments must be reconciled.

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**Is my Paper a “Sensitive Product”?** If you are not sure, check with Todd Wojtowicz: [twojtowicz@usgs.gov](mailto:twojtowicz@usgs.gov)

or 928-556-7390. Report potential sensitive products to Todd early--when they are getting entered into IPDS.

Here is the sensitive products list (these products get reported asap by Dave Lytle to USGS HDQ):

* Energy
* Invasive species and disease
* Endangered and threatened species
* Hunting and fishing
* Sage grouse and sagebrush
* Prairie chickens
* Climate science
* Sea-level rise
* Science related to Secretarial Orders
* Glen Canyon Science (assume this also includes Grand Canyon science)
* Alaska and Montana science
* Potential sensitive topics: grazing, restoration, and dust (send these to Todd too).

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**Understanding Bibliodata Questions** (some entries are required and can’t be guessed at by your Product Steward)**:**

**Cooperators** *(required metadata)***:**

* If no cooperators, enter “none”.
* Defined as “the official name of an agency or agencies that entered into a formal cooperative agreement to produce the product. This information captures the linkage to any external funding and collaboration provided by other DOI Bureaus and other external federal, state, local agencies and NGOs supporting the work represented by the information product the USGS.”

**Cooperators include these types**; they may or may not have funded the study:

(1) a DOI direct partner - that is, has a DOI bureau or entity asked for or funded the study? If so, who?

(2) a DOI indirect partner or stakeholder - that is, could a DOI bureau or entity be interested in the results of the study? If so, who?

(3) other Federal agencies/bureaus - that is, did they ask for or fund the study? If so, who?

(4) some state, local, or academic other scientific entities may have asked for or funded the study. These should be identified too.

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Link to table of approvals: <https://www2.usgs.gov/fsp/levels_ba.asp>

*-more descriptions/definitions & helpful info to be added (let Serena know what you want added to this form)-*