



MEMORANDUM OF TRANSMITTAL

FOR: Kelly Turner, Chief of Staff, NOAA Satellite and Information Service (NESDIS)
FROM: Martin Yapur, TPIO Director (Technology, Planning and Integration for Observations Division)
SUBJECT: Transmittal of the *NOAA Observing System Integrated Analysis (NOSIA-II) Methodology Report*
DATE: 2016 March 03

As the Director of TPIO (NOAA's Division for Technology, Planning and Integration for Observations), I am pleased to submit the **NOAA Observing System Integrated Analysis (NOSIA-II) Methodology Report** to NESDIS Headquarters. The final version of the report (Version 1.93, as attached), was approved unanimously by the NOAA Observing Systems Council (NOSC) following an extensive peer-review process conducted by the OSC, the NOSC's Observing Systems Committee. To vet the report, TPIO supported the OSC in their use of the process for developing "Influential Scientific Information," as laid out in the *NESDIS Guidance on Technical Memoranda*. At this time, TPIO requests that NESDIS Headquarters approve this report for public dissemination, and that your Chief of Staff assign to it a *unique series number*.

In addition, TPIO requests that NESDIS Headquarters submit the report to NOAA Headquarters, on our behalf, for their consideration.

This methodology report describes the technical approach for developing "NOSIA-II," a capability that NOAA has begun using to document and analyze the relationship between available observing systems and their impact on the agency's diverse services and scientific objectives.

The NOSIA-II Methodology Report was prepared by TPIO at the direction of the NOSC. It was developed by a cross-NOAA writing team - with inputs from the Co-chairs and Line Office representatives of both the OSC and the NOSC, who engaged in a multiple rounds of review, comment, and revision - before its final approval. The writing team, reviewers, and contributors have been credited on Page 3 of the report. All other aspects of the peer-review process were fully documented as well, so TPIO is pleased to provide any further documentation you require.

Next steps: At this time, TPIO continues to collaborate with both the NOSC and the OSC to distribute the report, and to use the NOSIA-II methodology described therein, in support of decision makers across NOAA. TPIO's staff is at your disposal, ready to assist NESDIS Headquarters with the interpretation and implementation of the NOSIA-II capability and its valuable methodologies.



Martin Yapur, Director
Technology, Planning and Integration for Observations (TPIO)
NOAA / NESDIS / OPPA / TPIO Division Chief

2016-03-03
Date

