

The Value of Cooperative Extension's Public Benefit Explored through
Enhancements to Forest Ecosystem Services Provision

Daniel Lee Goerlich

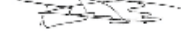
SUPPORTING DOCUMENTS

Virginia Tech IRB Approval



Office of Research Compliance
Institutional Review Board
North End Center, Suite 4120, Virginia Tech
300 Turner Street NW
Blacksburg, Virginia 24061
540/231-4606 Fax 540/231-0959
email irb@vt.edu
website <http://www.irb.vt.edu>

MEMORANDUM

DATE: March 15, 2017 

TO: Daniel Lee Goerlich, Michael J Mortimer, R. Bruce Hull IV, John F Munsell, K. Jason Fisher, Heather Boyd, Klaus Moeltner

FROM: Virginia Tech Institutional Review Board (FWA0000572, expires January 29, 2021)

PROTOCOL TITLE: Public value implications of incorporating ecosystem services valuation models into Cooperative Extension evaluation efforts

IRB NUMBER: 16-1146

Effective March 15, 2017, the Virginia Tech Institution Review Board (IRB) Chair, David M Moore, approved the New Application request for the above-mentioned research protocol.

This approval provides permission to begin the human subject activities outlined in the IRB-approved protocol and supporting documents.

Plans to deviate from the approved protocol and/or supporting documents must be submitted to the IRB as an amendment request and approved by the IRB prior to the implementation of any changes, regardless of how minor, except where necessary to eliminate apparent immediate hazards to the subjects. Report within 5 business days to the IRB any injuries or other unanticipated or adverse events involving risks or harms to human research subjects or others.

All investigators (listed above) are required to comply with the researcher requirements outlined at: <http://www.irb.vt.edu/pages/responsibilities.htm>

(Please review responsibilities before the commencement of your research.)

PROTOCOL INFORMATION:

Approved As: Exempt, under 45 CFR 46.110 category(ies) 4
Protocol Approval Date: March 15, 2017
Protocol Expiration Date: N/A
Continuing Review Due Date*: N/A

*Date a Continuing Review application is due to the IRB office if human subject activities covered under this protocol, including data analysis, are to continue beyond the Protocol Expiration Date.

FEDERALLY FUNDED RESEARCH REQUIREMENTS:

Per federal regulations, 45 CFR 46.103(f), the IRB is required to compare all federally funded grant proposals/work statements to the IRB protocol(s) which cover the human research activities included in the proposal / work statement before funds are released. Note that this requirement does not apply to Exempt and Interim IRB protocols, or grants for which VT is not the primary awardee.

The table on the following page indicates whether grant proposals are related to this IRB protocol, and which of the listed proposals, if any, have been compared to this IRB protocol, if required.

Notre Dame IRB Waiver

Goerlich, Daniel

From: Heather Boyd <hboyd@nd.edu>
Sent: Friday, March 3, 2017 9:50 AM
To: Goerlich, Daniel; Smith, Kathleen
Subject: determination from Notre Dame research compliance office

Dear Dan and Kathy,
The determination is below.
Thank you for your help.
Sincerely,
Heather

Heather,

Based on the description of the proposal, we would consider this to not be human subjects research. The information gathered in the surveys that will be accessed for the research does not contain any private identifiable information, there is no interaction or intervention with individuals through this proposal (the surveys were already completed for program evaluation), and it was indicated that the source of the data is publicly available. Because of this, there is no need to submit anything to the ND IRB.

Thanks,

Eric

Eric Felde, JD, CIP
Director of Research Compliance
Notre Dame Research

940 Grace Hall
University of Notre Dame
Notre Dame, IN 46556

E: efelde@nd.edu
P: [+1.574.631.1461](tel:+15746311461)
W: research.nd.edu
T: @UNDRResearch#NDRResearch



Heather H. Boyd, Ph.D.
Research Development Program Director
Notre Dame Research

940 Grace Hall
University of Notre Dame
Notre Dame, IN 46556
USA

hboyd@nd.edu
[+1.574.631.4104](tel:+15746314104)

Permission to Use:

Dissertation Figure 1 (From Figure 1.1 P. 8 in Franz, N. K. and L. Townson. 2008. The nature of complex organizations: The case of Cooperative Extension. In M. T. Braverman, M. Engle, M. E. Arnold, & R. A. Rennekamp (Eds.), *Program evaluation in a complex organizational system: Lessons from Cooperative Extension*. *New Directions for Evaluation*, 120, 5–14.)

Goerlich, Daniel

From: Franz, Nancy K [SOE] <nfranz@iastate.edu>
Sent: Sunday, December 24, 2017 10:05 AM
To: Goerlich, Daniel
Subject: Re: permission to use a figure

Dan,

Congratulations on completing your PhD! I have been hearing about your progress. Yes, you have my permission to use the figure you mention below in your dissertation. I'd love to read it!

Happy holidays and hope to see you in 2018.

Nancy

Sent from my iPhone

On Dec 23, 2017, at 10:47 PM, Goerlich, Daniel <dalego@vt.edu> wrote:

Good evening, Nancy:

It has been a while! I hope you are doing well and that you are preparing for a wonderful Christmas.

I recently passed my doctoral final exam, and as I prepare the ETD for submission I have learned from the guidelines that it is a best practice to request permission to use several figures and tables I have referenced in my literature review. The figures are properly cited but it seems that requesting permission from the author is encouraged. One of these is "Figure 1.1. The Cooperative Extension System Partnership" from the article you published with Lisa Townson in 2008 entitled "The nature of complex organizations: The case of Cooperative Extension." Are you willing to grant me permission to use this figure for reference purposes in the dissertation? Thanks very much for your time and consideration.

Best wishes,

Dan Goerlich

Permission to Use:

Dissertation Figure 2 (From Virginia Cooperative Extension. 2017. *VCE Programming Process*. Available on-line at: <http://www.intra.ext.vt.edu/support/process/over.html> .)

Goerlich, Daniel

From: Jones, Edwin
Sent: Sunday, December 24, 2017 6:59 AM
To: Goerlich, Daniel
Subject: Re: permission to use a figure

You may use freely.
Ed

Sent from my iPad

On Dec 23, 2017, at 11:36 PM, Goerlich, Daniel <dalego@vt.edu> wrote:

Good evening, Ed:

As I prepare the ETD for submission I have learned from the guidelines that it is a best practice to request permission to use several figures and tables I have referenced in my literature review. The figures are properly cited but it seems that requesting permission from the author is encouraged. One of these is the Cooperative Extension programming model diagram located here: <http://www.intra.ext.vt.edu/support/process/process.html> . I am not sure who created this diagram, and if it is considered public domain. Are you able to grant me permission to use this figure for reference purposes in the dissertation? Thanks very much for your insights.

Best wishes,

Dan Goerlich

Permission to Use:

Dissertation Table 1 (From V(I) "State Defined Outcome", P. 69 in Virginia Cooperative Extension 2016. *2017 Virginia State University and Virginia Polytechnic Inst. & State University Combined Research and Extension Plan of Work*. Available on-line at: <http://www.intra.ext.vt.edu/reports/documents/2017FederalPlanofWork.pdf> . 93 p.)

Goerlich, Daniel

From: Jones, Edwin
Sent: Sunday, December 24, 2017 7:00 AM
To: Goerlich, Daniel
Subject: Re: permission to use a figure

This one too.
Happy Holidays
Ed

Sent from my iPad

On Dec 23, 2017, at 11:44 PM, Goerlich, Daniel <dalego@vt.edu> wrote:

Hello, again:

While I am at it I should probably also inquire if it is acceptable to include the outcome buy-in table located on page 69 of the 2017 Virginia State University and Virginia Polytechnic Inst. & State University Combined Research and Extension Plan of Work?

Thanks,

Dan

From: Goerlich, Daniel
Sent: Saturday, December 23, 2017 11:37 PM
To: Jones, Edwin <ejones1@vt.edu>
Subject: permission to use a figure

Good evening, Ed:

As I prepare the ETD for submission I have learned from the guidelines that it is a best practice to request permission to use several figures and tables I have referenced in my literature review. The figures are properly cited but it seems that requesting permission from the author is encouraged. One of these is the Cooperative Extension programming model diagram located here: <http://www.intra.ext.vt.edu/support/process/process.html> . I am not sure who created this diagram, and if it is considered public domain. Are you able to grant me permission to use this figure for reference purposes in the dissertation? Thanks very much for your insights.

Best wishes,

Dan Goerlich

Fair Use Determination: Dissertation Figure 4

VT Fair Use Analysis Results

<http://etd.vt.edu/fairuse/analyzer/results.php>

Draft 09/01/2009

(Questions? Concerns? Contact Gail McMillan, Director of the Digital Library and Archives at Virginia Tech's University Libraries: gailmac@vt.edu)

(Please ensure that Javascript is enabled on your browser before using this tool.)

Virginia Tech ETD Fair Use Analysis Results

This is not a replacement for professional legal advice but an effort to assist you in making a sound decision.

Name: Daniel Lee Goerlich

Description of item under review for fair use: University of Wisconsin Extension. 2017. Program Development and Evaluation: Logic Model Template. Available on-line at: <http://fyi.uwex.edu/programdevelopment/logic-models/bibliography/>.

Report generated on: 12-29-2017 at : 04:56:57

Based on the information you provided:

Factor 1

Your consideration of the purpose and character of your use of the copyright work weighs: *in favor of fair use*

Factor 2

Your consideration of the nature of the copyrighted work you used weighs: *in favor of fair use*

Factor 3

Your consideration of the amount and substantiality of your use of the copyrighted work weighs: *in favor of fair use*

Factor 4

Your consideration of the effect or potential effect on the market after your use of the copyrighted work weighs: *in favor of fair use*

Based on the information you provided, your use of the copyrighted work weighs: *in favor of fair use*

Additional Statement from the University of Wisconsin: <https://fyi.uwex.edu/terms-and-conditions-of-use/>

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Fair Use Determination: Dissertation Table 3

VT Fair Use Analysis Results

<http://etd.vt.edu/fairuse/analyzer/results.php>

Draft 09/01/2009

(Questions? Concerns? Contact Gail McMillan, Director of the Digital Library and Archives at Virginia Tech's University Libraries: gailmac@vt.edu)

(Please ensure that Javascript is enabled on your browser before using this tool.)

Virginia Tech ETD Fair Use Analysis Results

This is not a replacement for professional legal advice but an effort to assist you in making a sound decision.

Name: Daniel Lee Goerlich

Description of item under review for fair use: Table 1 p. 5 in Binder, S., R.G. Haight, S. Polasky, T. Warziniack, M.H. Mockrin, R.L. Deal, and G. Arthaud. 2017. Assessment and Valuation of Forest Ecosystem Services: State of the Science Review. United States Department of Agriculture Northern Research Station General Technical Report NRS-170. 47 p.

Report generated on: 12-29-2017 at : 04:42:00

Based on the information you provided:

Factor 1

Your consideration of the purpose and character of your use of the copyright work weighs: *in favor of fair use*

Factor 2

Your consideration of the nature of the copyrighted work you used weighs: *in favor of fair use*

Factor 3

Your consideration of the amount and substantiality of your use of the copyrighted work weighs: *in favor of fair use*

Factor 4

Your consideration of the effect or potential effect on the market after your use of the copyrighted work weighs: *in favor of fair use*

Based on the information you provided, your use of the copyrighted work weighs: *in favor of fair use*

Additional Statement from USDA Forest Service: <https://www.usda.gov/policies-and-links>

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Fair Use Determination: Dissertation Table 4

VT Fair Use Analysis Results

<http://etd.vt.edu/fairuse/analyzer/results.php>

Draft 09/01/2009

(Questions? Concerns? Contact Gail McMillan, Director of the Digital Library and Archives at Virginia Tech's University Libraries: gailmac@vt.edu)

(Please ensure that Javascript is enabled on your browser before using this tool.)

Virginia Tech ETD Fair Use Analysis Results

This is not a replacement for professional legal advice but an effort to assist you in making a sound decision.

Name: Daniel Lee Goerlich

Description of item under review for fair use: Table 2, Page ii in Paul, A. 2011. The Economic Benefits of Natural Goods and Services. Piedmont Environmental Council. 40 p.

Report generated on: 12-29-2017 at : 04:47:35

Based on the information you provided:

Factor 1

Your consideration of the purpose and character of your use of the copyright work weighs: *in favor of fair use*

Factor 2

Your consideration of the nature of the copyrighted work you used weighs: *in favor of fair use*

Factor 3

Your consideration of the amount and substantiality of your use of the copyrighted work weighs: *in favor of fair use*

Factor 4

Your consideration of the effect or potential effect on the market after your use of the copyrighted work weighs: *in favor of fair use*

Based on the information you provided, your use of the copyrighted work weighs: *in favor of fair use*

Fair Use Determination: Dissertation Table 5

VT Fair Use Analysis Results

<http://etd.vt.edu/fairuse/analyzer/results.php>

Draft 09/01/2009

(Questions? Concerns? Contact Gail McMillan, Director of the Digital Library and Archives at Virginia Tech's University Libraries: gailmac@vt.edu)

(Please ensure that Javascript is enabled on your browser before using this tool.)

Virginia Tech ETD Fair Use Analysis Results

This is not a replacement for professional legal advice but an effort to assist you in making a sound decision.

Name: Daniel Lee Goerlich

Description of item under review for fair use: Table 1, Page v in Krieger, D.J. 2001. The Economic Value of Forest Ecosystem Services: A Review. The Wilderness Society. 31 p.

Report generated on: 12-29-2017 at : 04:51:18

Based on the information you provided:

Factor 1

Your consideration of the purpose and character of your use of the copyright work weighs: *in favor of fair use*

Factor 2

Your consideration of the nature of the copyrighted work you used weighs: *in favor of fair use*

Factor 3

Your consideration of the amount and substantiality of your use of the copyrighted work weighs: *in favor of fair use*

Factor 4

Your consideration of the effect or potential effect on the market after your use of the copyrighted work weighs: *in favor of fair use*

Based on the information you provided, your use of the copyrighted work weighs: *in favor of fair use*

Fair Use Determination: Dissertation Table 6

VT Fair Use Analysis Results

<http://etd.vt.edu/fairuse/analyzer/results.php>

Draft 09/01/2009

(Questions? Concerns? Contact Gail McMillan, Director of the Digital Library and Archives at Virginia Tech's University Libraries: gailmac@vt.edu)

(Please ensure that Javascript is enabled on your browser before using this tool.)

Virginia Tech ETD Fair Use Analysis Results

This is not a replacement for professional legal advice but an effort to assist you in making a sound decision.

Name: Daniel Lee Goerlich

Description of item under review for fair use: Table 7, Page 24-25 in Krieger, D.J. 2001. The Economic Value of Forest Ecosystem Services: A Review. The Wilderness Society. 31 p.

Report generated on: 12-29-2017 at : 04:53:30

Based on the information you provided:

Factor 1

Your consideration of the purpose and character of your use of the copyright work weighs: *in favor of fair use*

Factor 2

Your consideration of the nature of the copyrighted work you used weighs: *in favor of fair use*

Factor 3

Your consideration of the amount and substantiality of your use of the copyrighted work weighs: *in favor of fair use*

Factor 4

Your consideration of the effect or potential effect on the market after your use of the copyrighted work weighs: *in favor of fair use*

Based on the information you provided, your use of the copyrighted work weighs: *in favor of fair use*