

**Summary of IGEP Third Year Review reporting data**  
 Compiled October 2016 for the period of fall 2013 through spring 2016

Four Interdisciplinary Graduate Education Programs (IGEPs) were funded in 2013, comprising the third cohort:

- **BioBuild (BBD)** (PI- Mike Garvin)
- **Human Centered Design (HCD)** (PIs- Steve Harrison and Matt Wisnioski)
- **Interfaces of Global Change (IGC)** (PI- Bill Hopkins – transitioning to Jeff Walters and Bruce Hull)
- **Disaster Resilience (DR)** (PIs- Chris Zobel and Guney Olgun)

This report summarizes the outcome of the 3<sup>rd</sup> year review of the third cohort of IGEPs. IGEPs will continue to be reviewed every 3 years (3<sup>rd</sup> year review, 6<sup>th</sup> year review, etc.). Table 1 summarizes some of the quantitative measures of success in the third cohort of IGEPs:

**Table 1: Summary of quantitative measures of success of first cohort of IGEPs at 3<sup>rd</sup> year review**

	<b>Total VT doctoral students*</b>	<b>Journal publications</b>	<b>Conference presentations</b>	<b>Number of external grants</b>	<b>Total external funding</b>	<b>Number of faculty</b>
BBD	10	10	24	4	\$741,077	9
HCD	25	43	15	5	\$1,470,925	27
IGC	25	473	567	204	\$55,607,667	45
DR <sup>^</sup>	24	11	31	6	\$2,758,119	5
<b>Total</b>	<b>84</b>	<b>537</b>	<b>606</b>	<b>219</b>	<b>\$60,577,788</b>	<b>86</b>

\*Because of the nature of participating programs in HCD, both MS and PhD students are counted

<sup>^</sup>DR is funded at 1 GRA per year, ¼ the allocation to the other IGEPs

All four IGEPs have performed very well to expectation and were extended continued funding for the next three years. The following sections summarize some common themes noted across the reviews:

**IGEP Courses and Certificates**

All four IGEPs successfully developed and launched the required 3 credit GRAD 5134 class, DR and IGC have offered twice. Other coursework affiliated with the IGEPs has also been developed (e.g., FIW 5004 Global Change Seminar, CEE 5074 Global Virtual Design, and BC 5134, BC 4334 Sustainable Building Performance Management). HCD has developed and is offering a highly popular certificate program, the other IGEPs are still considering the option.

**Recruiting**

All four IGEPs have been successful in recruiting new applicants, with a total of 84 new students enrolled across the four programs. Some challenges are met in programs combining science and engineering, as some science students have a perception that the engineering math may be too difficult.

**Funding**

All four IGEPs have found the flexibility of funding to be beneficial and have prioritized funding in different ways. IGC devotes a portion of the GRA allocations to attract and recruit top students and the remainder for rewarding successful students already in the program as a fellowship. For HCD, external funding is especially challenging and the internal funding is critical to the success of this very popular program. All four IGEPs have successfully attracted external funding.

### **General Suggestions**

Given that Virginia Tech is undergoing a time of change and growth, much discussion was centered around the alignment with the future Destination Areas that are currently under development. All four IGEPs have strong alignment with the currently proposed Destination Areas, but have also met confusion in the organization of the process and have found it challenging to know where to best invest their attention and how to most effectively direct input as the Destination Areas develop. All were generally enthusiastic about the prospect of interdisciplinary being emphasized more campus-wide and are supportive of integration at the graduate-level. The idea of DA-funded GTAs was particularly attractive. It was also expressed that it would be helpful for the leadership across the IGEPs to get together more frequently, at least once a semester in addition to the formal IGEP social event.