This year marks the launching of WeBWorK’s national dissemination project; assessment is a critical aspect of the five-year plan. This session will review very briefly the first wave of our assessment focused on informal student surveys and observations, and the second, a more formal examination of surveys and a keystroke-level analysis of student responses to the system. Also outlined will be our third wave, just getting underway, an assessment plan with two major components: understanding the best ways to support instructors as they adapt the system to their own courses and developing a network to support the ongoing study of WeBWorK’s impact on student learning. (Received September 21, 2009)