**Supplementary Information for Table 2**

Selected publications (from 2010 through August 2016) that used CELL5M for underlying data.

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| **Category** | **Number of Publications** | **Citations** |
| Agriculture | 71 | Adhikari et al., 2015; Ahmed et al., 2016; Albanito et al., 2014; Anderson et al., 2015, 2014; Ayling et al., 2012; Beddow et al., 2015; Beddow and Pardey, 2015; Blaes et al., 2016; Boer et al., 2012; Cox et al., 2015; D’Aoust et al., 2016; Damania et al., 2016; De Groote et al., 2016; Di and Yang, 2015; Dorosh et al., 2012; Duan et al., 2016, 2015; Eriyagama et al., 2014; Fand et al., 2015, 2014; Fjelde, 2015; Folberth et al., 2012; Franch et al., 2015; Fritz et al., 2015; Fujimori et al., 2014; Glotter et al., 2015; Hannah et al., 2013; Hasegawa et al., 2014; Hendriks et al., 2016; Herrera Campo et al., 2011; Herrero et al., 2013; Homann-Kee Tui et al., 2013; Johnson et al., 2014; Katic and Morris, 2016; Kleinwechter et al., 2016; Kostandini et al., 2016; Kriticos et al., 2015; Liu et al., 2010, 2013; Marwick et al., 2014; Min et al., 2014; Morell et al., 2016; Müller and Robertson, 2014; Mutiga et al., 2015; Nelson, 2010; Nelson et al., 2010; Phalan et al., 2013; Pingali et al., 2014; Robertson et al., 2013; Rosegrant et al., 2014; Rovere et al., 2014; Schmidt et al., 2010; Schmitz et al., 2014; See et al., 2015; Stanton et al., 2013; Stuch et al., 2013; Tan et al., 2014; Thornton et al., 2014; Thornton and Herrero, 2015; Valin, H., Frank, S., Pirker, J., Mosnier, A., Forsell, N., Havlik, 2014; van Bussel et al., 2015; Van Oort et al., 2014; van Wart et al., 2013; Vicente-Serrano et al., 2012; Wiebelt et al., 2013; Wu et al., 2011; Xiong et al., 2014; You et al., 2014a, 2014b, 2011 |
| Agroecology | 41 | Aljaryian and Kumar, 2016; Ayling et al., 2012; Benin, 2016; Ben-Yakir et al., 2013; Eriyagama et al., 2014; Estes et al., 2016; Folberth et al., 2013; Fullmer et al., 2014; Gulma, 2013; Hess et al., 2016; Hochrainer-Stigler et al., 2014; Husmann et al., 2015; Imran et al., 2013; Katic and Morris, 2016; Khadioli et al., 2014; Kleinwechter et al., 2016; Kornher and Kalkuhl, 2016; Kriticos et al., 2015; Kumar et al., 2016; Kwon et al., 2016a; MacCarthy et al., 2015; Mailafiya, 2015; Mutiga et al., 2015; Pyhajarvi et al., 2013; Rigolot et al., 2016; Rimhanen and Kahiluoto, 2014; Riskin et al., 2013; Robinson et al., 2015; Romero et al., 2012; Rupf et al., 2015; Torres-Pacheco et al., 2013; Tsujimoto et al., 2014; Tully et al., 2015; van der Velde et al., 2014; van Wart et al., 2013; Vann et al., 2015; Waha et al., 2013; Walter and Karssen, 2015; Wu et al., 2011; Xie et al., 2012; Yu et al., 2012 |
| Demographics | 10 | Azzarri et al., 2016; Desiere et al., 2015; Dube et al., 2013; Graw and Ladenburger, 2012; Imran et al., 2015, 2014; Johnson and Flaherty, 2010; Katic and Morris, 2016; Pingali et al., 2014; Schmidt et al., 2010 |
| Markets | 13 | Desiere et al., 2015; Harris and Orr, 2014; Husmann et al., 2015; Johnson and Flaherty, 2010; Katic and Morris, 2016; Nijbroek and Andelman, 2015; Omamo et al., 2006; Schmidt et al., 2010; Smale et al., 2016; Takeshima et al., 2013; Takeshima and Liverpool-Tasie, 2015; Tesfaye et al., 2015; Yu and Guo, 2015 |
| Boundaries | 3 | Houssou et al., 2016; Kwon et al., 2016b; Salmon et al., 2015 |

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