ACKNOWLEDGMENTS

"Do you know that joke about the person who went to Paris?"... as a popular children's joke starts. The punch line is that the "person" did not go. Over the last few years, some people might have posed a similar question: "Do you know that joke about Detlef writing his thesis?" Well, it turned out to be no joke. Finally, I have traveled the long road of writing a thesis to completion. On the way, I have obviously experienced that writing a PhD thesis on the fringe of working life is far from easy – and certainly not when there so many other interesting things to work on. During this process, my colleagues, both at the Netherlands Environmental Assessment Agency (MNP) and across the globe, were helpful in reminding me that writing a thesis was still a very worthwhile undertaking. Spending some time at Utrecht University in 2006 pushed me on to taking the last steps.

In the process of writing this thesis, many people have offered me great assistance, either directly or indirectly, While I will mention a few here, I am sure that I will forget many others. My sincere apologies for this.

First of all, I would like to thank my two promoters, who have helped me in fulfilling this writing task. Bert de Vries: in many ways you have been my mentor at MNP – starting back in 1994 when I began working on my MSc thesis under your guidance. In the years that followed, I learned a lot from you about sustainable development, world views and cultural perspectives, as well as the role of science. Our discussions, which I enjoyed very much, often started from a concrete question, and although the question was often still unanswered a few hours later, I had, at least, learned a lot about its broader context. I hope we can continue our cooperation in the coming years. Kornelis Blok: I started to work with you in 1995 in my short period of nearly a year at Utrecht University's department of Science, Technology and Society. This period of working with "bottom-up" analysis proved to be a good learning experience – and I very much enjoyed your effective and structured way of working. Since then, you were consistent in reminding me that I should write this thesis, and helped me in pursuing the opportunity to carry out some of the research at STS. The discussions we had on each of the chapters were stimulating, and made finalizing the thesis much more relevant.

Secondly, I extend a word of thanks to my colleagues at the Netherlands Environmental Assessment Agency (MNP). In my work at the international environmental division of RIVM/MNP (in its various forms) I have enjoyed, and continue to enjoy, the company of friendly and interesting colleagues in the former MNV division of RIVM and in the present KMD (climate change and global sustainability). To start with the IMAGE-team: despite our relatively small size, we have continued to be a successful team, achieving worldwide fame. In my opinion, a key element here is formed by the moments in which we could act as a really integrated team. Tom, Michel, Bas, Lex, Paul, Rineke, Elke, Bart, Michiel, Johannes, Kees, Henk, Jos and all the others: thanks very much for your cooperation over the years. Regarding the sub-team on energy modeling, let me

thank Monique, Bas, Morna and Bert. I have enjoyed working with you; you have all made your contribution to this thesis. And last but not least, I should not forget the colleagues at the energy and climate policy unit: Leo, Alexander, Hans, Ruud, Jeroen and from a small distance Ton, Marcel and Bert Metz (and some others already mentioned above). Whether on national or international level, we are, and have been, working finding an answer to the climate change challenge. I hope we can continue to make some contribution here. To the Arthurs and Peters from 'up-stairs': your help on methodological issues has been crucial in doing some of the work described in this thesis. Special thanks also goes to the KMD secretariat's Manon, Jolanda and Mirjam: you make 'office' life quite a bit easier and less chaotic.

I would also like to mention the MNP management who have made a contribution through their continuous support for our international assessment work, in general, but, more specifically, for the support for my research. In this context, I would like to thank Klaas van Egmond, Fred Langeweg and Joop Oude Lohuis. Joop, let me express my appreciation for the friendly, but informed, way in which you played your role as team manager, I appreciated your interest in my work and your help in completing the thesis.

I am not only indebted to colleagues at MNP but also to colleagues and friends outside. Some of the people I have worked most intensely with over the last few years include Keywan Riahi, Steve Smith, Malte Meinshausen, Brian O'Neill, Francisco de la Chesnaye, Patrick Criqui, Alban Kitous and Christian Azar. Apart from gaining from your knowledge and expertise, I have very much enjoyed your friendship. Zhou Fengqi, Jiang Kejun, Li Yun, John Weyant, Janusz Cofala, Markus Amann, H. Heyes, Z. Klimont and Cor Graveland, I have very much enjoyed working with you - and you have all contributed to this thesis by being co-authors of the underlying papers. Nebosja Nakicenovic and Michael Schlessinger: you both surely deserve a special mention here - acting as you did as "supporters" of this PhD project after our little wine party in Japan. The "Millennium Ecosystem Assessment" has surely been one of the nicest international projects I have worked for. Some of the people who really made that project as enjoyable and educational for me as it could be include Steve Carpenter, Elena Bennett, Gary Peterson, Graeme Cummings, Monika Zurek, Joe Alcamo, Claudia Ringler, Osvaldo Sala, Henrique Pereira, Mark Rosegrant and many, many others. Let me extend my thanks to all other colleagues participating in projects with me, including the current 'agriculture assessment' and ADAM projects.

On the production side of the thesis, there are a few more people to whom I have to give special credit as well: Ruth de Wijs (for English-language editing), Wout Niezen (for his coordination in getting the thesis printed), Kees Klein-Goldewijk (for extra help with the most difficult figures), and Miriam Abels and Carol Bartels for their advice on figures.

Finally, I would like to turn to my friends and family. The last few months saw me working even a bit beyond my normal "baseline", so I am sure that I did not always give you

the attention you deserve. Hopefully, things will normalize a bit now – and can I see a bit more of you at badminton, game evenings or other social events. With respect to my family, Mam, Dad, Aico and Natilja, many thanks for all your support at various times in the past. In fact, that also goes for you, Tjeerd and Ankie. My thoughts obviously also go out to you, Petra and Mette, my two "lovely ladies" at home. We have had anything but dull moments lately... with PhD and job projects and our other recent undertakings. Petra –it has not always been easy to keep pace with your academic level, but I hope to have made a small step in this direction. Mette – many chapters in this book discuss the next 100 years – and as I have shown in one of the chapters – futures tend to change a lot. While I could check the first 10 years of some of the scenarios, I hope you can check how close we have come in our projections over a longer period of time: let's be hopeful that the future you will experience will be closer to the low climate change scenarios of our analysis than to the high ones, keeping this world a worthwhile place to live in. But until you reach an age that this book might interest you a bit, I will just carry on reading bedtime stories to you from Nijntje.