

Publications List of Alois Kraussler

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SELECTED PUBLICATIONS: FIRST AUTHOR

Kraussler, A. (2018): "Researching a multifunctional heat transfer station incl. smart control concept for local / district heating systems"; final report within the framework of the Austrian energy research programme, Vienna / Austria 2018

Kraussler, A. (2018): "Exergy-optimized microgrids by demand-oriented temperature levels of distribution, storage and supply"; final report within the framework of the Austrian energy research programme, Vienna / Austria 2018

Kraussler, A. (2018): Regional energy concept for the region „Bad Waltersdorf-Buch St. Magdalena“ within the project „Energyregion Bad Waltersdorf-Buch St. Magdalena“

Kraussler, A. (2018): Regional energy concept for the region „norische Energieregion“ within the project „Energyregion norische Energieregion“

Kraussler, A. (2017): "Exergy-optimized microgrids by demand-oriented temperature levels of distribution, storage and supply"; evaluation workshop within the framework of the international congress "e-nova - Nachhaltige Gebäude" of the University of Applied Sciences Pinkafeld / Austria 2017

Kraussler, A. (2017): Regional adaptation concept for climate change in the region „Naturpark Pöllaue Tal“ within the project „Klimawandel-Anpassungsmodellregion Naturpark Pöllaue Tal“

Kraussler, A. (2017): Regional adaptation concept for climate change in the region „Pinkafeld-Riedlingsdorf“ within the project „Klimawandel-Anpassungsmodellregion Pinkafeld-Riedlingsdorf“

Kraussler, A. (2017): Regional adaptation concept for climate change in the region „Wirtschaftsregion Hartberg“ within the project „Klimawandel-Anpassungsmodellregion Wirtschaftsregion Hartberg“

Kraussler, A. (2017): Regional adaptation concept for climate change in the region „Kleinregion Stiefingtal“ within the project „Klimawandel-Anpassungsmodellregion Kleinregion Stiefingtal“

Kraussler, A. (2017): Regional adaptation concept for climate change in the region „Erholungsregion Joglland“ within the project „Klimawandel-Anpassungsmodellregion Erholungsregion Joglland“

Kraussler, A. (2017): Regional adaptation concept for climate change in the region „Terra Future!“ within the project „Klimawandel-Anpassungsmodellregion Terra Future“

Kraussler, A. (2016): Regional energy concept for the region „Anger-Floing“ within the project „Klima- und Energiemodellregion Anger-Floing“

Kraussler, A. (2016): Regional energy concept for the region „Joglland-West“ within the project „Klima- und Energiemodellregion Joglland-West“

Kraussler, A. (2016): "SMART CITY Hartberg - Integrative Small Town Development" publication and speech within the framework of the international congress "e-nova - Nachhaltige Gebäude" of the University of Applied Sciences Pinkafeld / Austria 2016

Kraussler, A. (2016): "Business models for urban loadshifting within smart city demonstration projects", publication and speech within the framework of the 14th energy innovations symposium of the Technical University Graz, Graz / Austria 2016

Kraussler, A. (2015): "LOADSHIFT Oberwart - Demonstration of a cross-building energy management system for urban loadshifting", publication and speech within the framework of the international congress "e-nova - Nachhaltige Gebäude" of the University of Applied Sciences Pinkafeld / Austria 2015

Kraussler, A. (2015): „Smart City Hartberg“, speech within the framework of the information day about energy and mobility research programmes funded by the Austrian Climate and Energy Fund, Vienna / Austria 2015

Kraussler, A. (2015): „Contribution of the industry to the integration of renewable energy sources by loadshifting“, publication and speech

within the framework of the 13th International Energy Economics Congress (IEWT), Vienna/ Austria 2015

Kraussler, A.; Schneemann, A; Pinter, C. (2015): Regional energy concept for the small region „Energierregion Pinkatal“ within the project „Klima- und Energiemodellregion Energierregion Pinkatal“

Kraussler, A. (2014): “The potential of loadshifting within industrial processes based on an example within the cement industry”, speech within the framework of the “Saxon symposium Energy 2014” of the Saxon Energy Agency – SAENAGmbH, Dresden/ Germany 2014

Kraussler, A. (2014): “Efficient and economic drying of wood chips at biogas plants”, speech within the framework of the symposium “Biogas 14” of the Austrian working partnership “mixed manure & biogas”, Salzburg / Austria 2014

Kraussler, A.; (2014): Regional energy concept for the small region „Energierregion Stiefingtal“ within the project „Klima- und Energiemodellregion Energierregion Stiefingtal“

Kraussler, A. (2014): „Contribution of Loadshifting for the integration of renewable energy sources“, publication and speech within the framework of the international congress “e-nova - Nachhaltige Gebäude” of the University of Applied Sciences Pinkafeld/ Austria 2014

Kraussler, A. (2014): “SMART CITY HARTBERG: SMART CITY DEVELOPMENT ON SMALL -TOWN SCALE”, publication and speech within the framework of the “14th IAEE European Energy Conference” about “SUSTAINABLE ENERGY POLICY AND STRATEGIES FOR EUROPE” (28-31 October 2014) of the International Association for Energy Economics (IAEE), Rome/ Italy 2014

Kraussler, A. (2014): “Loadshift in the Austrian cement industry”, publication and speech within the framework of the 13th energy innovations symposium of the Technical University Graz, Graz/ Austria 2014

Kraussler, A. (2014): „Technical drying of wood chips – unprofitable?“, publication and speech within the framework of the international conference “CEBC 2014 - Central European Biomass Conference” of the Austrian Biomass Association, Graz, Austria 2014

Kraussler, A. (2013): “Optimisation basics of the urban energy supply under consideration of maximum energy resource protection”; in: “Ökoptopia - Ressourcenschonung in der Stadtteilentwicklung / Ecotopia – resources optimization within the urban development”; editors: Plé, B.; Schloffer, M.; Würz-Stalder, M., A.; Bobik, M.; Kofler, M.; Posch, K.; International publishing company of the sciences – Peter Lang GmbH; Frankfurt am Main / Germany 2013

Kraussler, A.; Lang, E.; Schneemann, A; Pinter, C. (2013): Regional energy concept for the small region „Energierregion Mittelburgenland“ within the project „Klima- und Energiemodellregion Energierregion Mittelburgenland“

Kraussler, A. (2013): „Building-integrated energy production and energy exchange across buildings“, publication and speech within the framework of the international congress “e-nova - Nachhaltige Gebäude” of the University of Applied Sciences Pinkafeld, Austria 2013

Kraussler, A.; Lang, E.; Schneemann, A; Pinter, C. (2013): Regional energy concept for the small region „Energierregion Leithaland“ within the project „Klima- und Energiemodellregion Energierregion Leithaland“

Kraussler, A. (2013): „SMART ENERGY DEMONstration: First research results of an Austrian SMART CITY“, presentation and publication within the framework of the International sustainable building conference 2013, Graz/ Austria 2013

Kraussler, A.; Lang, E.; Schneemann, A; Pinter, C. (2013): Regional energy concept for the small region „Themenregion Stegersbach“ within the project „Klima- und Energiemodellregion Themenregion Stegersbach“

Kraussler, A. (2013): „Realisation of innovative energy grids and sustainable energy technologies in Smart Cities: Structures, factors of influences and driving forces“, presentation and publication within the 9th symposium “process engineering”, Leoben / Austria 2013

Kraussler, A.; Lang, E.; Schneemann, A; Pinter, C. (2013): Regional energy concept for the small region „Naturpark Geschriebenstein“ within the project „Klima- und Energiemodellregion Naturpark Geschriebenstein“

Kraussler, A. (2013): “Artificial drying of wood chips - optimisation of material and operational based factors of influence”, presentation and publication within the workshop “Quality fuels – a losing deal?”, Pichl / Austria 2013

Kraussler, A.; Lang, E.; Schneemann, A; Pinter, C. (2013): Regional energy concept for the small region „Kirschblüten Energierregion“ within the project „Klima- und Energiemodellregion Kirschblüten Energierregion“

Kraussler, A. (2013): “Optimisation of the urban energy supply by maximum protection of the energy resources available”, publication within the miscellany “Resources protection within urban development – primary research and empiric planning basics in urban areas of Graz”, symposium “Ökoptopia” on the 26th and 27th of May 2011, Graz/ Austria 2013.

Kraussler, A.; Lang, E. (2013): Regional energy concept for the small region „Klimaschutzregion Naturpark Pöllauer Tal“ within the project „Klima- und Energiemodellregion Klimaschutzregion Naturpark Pöllauer Tal“

- Kraussler, A. (2013): „Hartberg - an Austrian model area“, presentation within the R&D Cooperation-programme between HU & AT, „Distributed Knowledge-Based Energy Saving Networks – DISKNET“, Veszprem / Hungary 2013
- Kraussler, A. (2013): „SMART CITY Hartberg: Smart city development on small-town scale“, presentation and publication within the framework of the 12th International Energy Economics Congress (IEWT), Vienna / Austria 2013
- Kraussler, A.; Lang, E.; Schloffer, M.; Spann, S.; Tragner, M.; Zisler, M. (2012): Regional energy concept for the small region „Naturgarten Formbacherland“ within the project „Klima- und Energiemodellregion Energieoffensive Formbacherland“
- Kraussler, A.; Lang, E.; Schloffer, M.; Spann, S.; Tragner, M.; Zisler, M. (2012): Regional energy concept for the Lamingtal within the project „Klima- und Energiemodellregion Oekoregion Lamingtal“
- Kraussler, A.; Lang, E.; Schloffer, M.; Spann, S.; Tragner, M.; Zisler, M. (2012): Regional energy concept for the small region „Erholungsregion Joglland“ within the project „Klima- und Energiemodellregion Erholungs- und Klimaschutzregion Joglland“
- Kraussler, A. (2012): „SMART CITY Hartberg: Herausforderungen im kleinstädtischen Gebäudebereich“, publication and speech within the framework of the international congress „e-nova - Nachhaltige Gebäude“ of the University of Applied Sciences Pinkafeld, Austria 2012
- Kraussler, A., Schuller A. (2012): „Città Slow Hartberg meets Smart City“, final project report within the scope of the Austrian research programme „Smart Energy Demo – FIT for SET 1. Ausschreibung“ of the Austrian Federal Ministry for Transport, Innovation and Technology, Hartberg / Austria
- Kraussler, A.; Schwab, T.; Theißing, M.; Theißing-Brauhart, I. (2012): „Optimierte Technische Hackgutdrying auf Basis nachhaltiger Technologien - Grundlagen, Empfehlungen und Testanwendung“, final project report within the scope of the Austrian research programme „New Energies 2020“ of the Austrian Climate Fund, Kapfenberg / Austria
- Kraussler, A. (2012): „Artificial drying of wood chips as enabler for a sustainable energy system“, publication within the framework of the 6th research-panel of the Austrian Universities of Applied Sciences (FFH), Graz / Austria 2012
- Kraussler, A. (2012): „Artificial drying of wood chips as enabler for a sustainable energy system“, publication and speech within the framework of the 12th energy innovations symposium of the Technical University Graz, Graz / Austria 2012
- Kraussler, A.; Lang, E.; Schloffer, M.; Tragner, M. (2011): Regional energy concept for the small region „Gesunde Region Vorau“ within the project „Klima- und Energiemodellregion EnergieImpuls Vorau“
- Kraussler, A.; Schwab, T. (2011): „Optimisation of the material and operation based influencing factors for the artificial drying of wood chips“, presentation and publication within the framework of the 5th research-panel of the Austrian Universities of Applied Sciences (FFH), Vienna / Austria 2011
- Kraussler, A.; Heidenreich, M. (2011): „Adequate incentive-schemes for polygeneration technologies – possibilities & practical experiences“, presentation and publication within the framework of the 2nd European Conference on Polygeneration (ECP), Tarragona / Spain 2011
- Kraussler, A. (2011): „Urban model regions: Basics for the modelling of the energy supply to maximise the energetic resource protection“, presentation and publication within the framework of the 11th International Energy Economics Congress (IEWT), Vienna / Austria 2011
- Kraussler, A. (2010): „Optimierungsgrundlagen urbaner Energiebereitstellung unter dem Aspekt größtmöglicher energetischer Ressourcenschonung / Optimisation basics of the urban energy supply under consideration of maximum energy resource protection“, Master Thesis, Pinkafeld / Austria 2010
- Kraussler, A. (2010): „Optimisation tools for the urban energy supply“, Paper within the Master's Degree Programme Sustainable Energysystems, Pinkafeld / Austria 2010
- Kraussler, A.; Schloffer, M.; Theissing, M.; Theissing-Brauhart, I.; Tragner, M. (2010): „Nachhaltige Energieversorgung einer Industrieregion? Herausforderungen, Chancen und Empfehlungen“, publication and speech within the framework of the 11th energy innovations symposium of the Technical University Graz, Graz / Austria 2010
- Kraussler, A.; Theissing, M.; Wanek, M. (2009): „Instationarity as a limiting factor for the use of industrial waste heat in heating-networks“, speech and paper within the framework of the 10th International Association for Energy Economics (IAEE) European Conference, Vienna / Austria 2009
- Kraussler, A. (2008): „Solare Direkt-, Diffus- und Globalstrahlung in Kapfenberg“, poster presentation within the framework of the 2th photovoltaic conference of the Styrian Business Promotion Agency, Kapfenberg / Austria 2008
- Kraussler, A. (2008): „Messung von solarer Direkt-, Diffus- und Globalstrahlung in Kapfenberg“, poster presentation within the framework of the 1th photovoltaic conference of the Styrian Business Promotion Agency, Kapfenberg / Austria 2008

Kraussler, A.; Schloffer, M.; Theissing, M.; Theissing-Brauhart, I.; Tragner, M. (2008): "Erneuerbare und Industrie – ein Widerspruch?", publication and speech within the framework of the 10th energy innovations symposium of the Technical University Graz, Graz/ Austria 2008

Kraussler, A. (2007): "Solarpotenzialanalyse und Solarenergieeinbindung in einer Industrieregion am Beispiel Bruck/Mur / Kapfenberg", presentation and within the framework of the research-panel of the Austrian Universities of Applied Sciences (FFH), Salzburg/ Austria 2007

Kraussler, A. (2006): "Untersuchungen und Bewertungen von holzartigen Pelletkleinfeuerungsanlagen hinsichtlich partikelförmiger und gasförmiger Emissionen", Diploma Thesis (embargoed until June 2011), contracting work for BIOS – Bioenergiesysteme GmbH (Graz), Kapfenberg/ Austria 2006

PUBLICATIONS: CO-AUTOR

Rabensteiner M., Kraussler A., Hummer E. (2017): „Bidirektionale Übergabestationen in Nah- und Fernwärmenetzen“, publication and speech within the framework of the congress "Güssing '17" of Güssing/ Austria 2017

Rabensteiner M., Kraussler A., Hummer E. (2017): „Bidirectional heat transfer stations in district heating grids“, poster within the framework of the Smart Energy System Week in Graz/ Austria 2017

Rabensteiner M., Kraussler A. (2017): „Simulation of bidirectional heat transfer stations in district heating grids“, Presentation within the framework of the 3rd International Conference on Smart Energy Systems and 4th Generation District Heating, Copenhagen / Denmark 2017

Tragner M., Kraussler A., Edtmayer H., Puchegger M. (2014): „Energy network of qualification (EQ-Net) for the education of skilled personnel concerning development of electricity, heat and cold storages“, publication and speech within the framework of the international congress "e-nova - Nachhaltige Gebäude" of the University of Applied Sciences Pinkafeld/ Austria 2014

Amann, C.; Elbe, C.; Heinisch, H.; Kollmann, A.; Kraussler, A.; Moser, S.; Schmidthaler, M. (2013): „Lastverschiebung in Haushalt, Industrie, Gewerbe und kommunaler Infrastruktur – Potenzialanalyse für Smart Grids – LOADSHIFT“, presentation and publication within the framework of the 12th International Energy Economics Congress (IEWT), Vienna/ Austria 2013

Edelsbrunner, B.; Kraussler, A.; Lang, E.; Luttenberger, C.; Messner, H.; Schloffer, M.; Spann, S.; Tragner, M.; Zisler, M. (2012): Regional energy concept for Oekoenergieregion Fuerstenfeld within the project „Klima- und Energiemodellregion Oekoenergieregion Fuerstenfeld“

Amhof, M.; Kraussler, A.; Lang, E.; Schloffer, M.; Spann, S.; Tragner, M.; Zisler, M. (2012): Regional energy concept for Elsbeere Wienerwald within the project „Klima- und Energiemodellregion Elsbeere Wienerwald: Mobilität im ländlichen und suburbanen Raum“

Tragner, M.; Kraussler, A.; Lang, E.; Schloffer, M.; Spann, S.; Zisler, M. (2012): „Smart Satellite City Deutschlandsberg“, final project report within the scope of the Austrian research programme „Smart Energy Demo – FIT for SET 1. Ausschreibung“ of the Austrian Federal Ministry for Transport, Innovation and Technology, Deutschlandsberg / Austria

Tragner, M.; Kraussler, A.; Lang, E.; Schloffer, M.; (2012): „Green Urban Gate towards Leadership in sustainable Energy“, final project report within the scope of the Austrian research programme „Smart Energy Demo – FIT for SET 1. Ausschreibung“ of the Austrian Federal Ministry for Transport, Innovation and Technology, Vienna/ Austria

Tragner, M.; Kraussler, A.; Lang, E.; Schloffer, M.; Zisler, M. (2012): „EIK - Energy Initiative Klostemeuburg“, final project report within the scope of the Austrian research programme „Smart Energy Demo – FIT for SET 1. Ausschreibung“ of the Austrian Federal Ministry for Transport, Innovation and Technology, Klostemeuburg / Austria

Schwab, T.; Kraussler, A. (2011): „Artificial drying technologies – possibilities & practical experiences“, publication within the 19th European Biomass Conference & Exhibition 2011, Berlin/ Germany

Schneider, H. W.; Hierländer, C.; Kraussler, A.; Koller, W.; Mahlberg, B.; Tragner, M.; Theissing, M.; Theissing-Brauhart, I.; Zisler, M. (2011): „Das Potential der industriellen Eigenstromerzeugung im Rahmen der Ökologisierung des Steuersystems - Analyse volkswirtschaftlicher und ökologischer Auswirkungen“, commissioned study for the Austrian economic chamber (sector industry) and federation of Austrian industry, Vienna/ Austria

Ninaus, J.; Heidenreich, M.; Kraussler, A.; Pinter, C.; Posch, G.; Theissing, M.; Theissing-Brauhart, I.; Tragner, M. (2010): „Energiekonzept Ökoregion Kaindorf“, final project report within the scope of the Austrian research programme „Energy of tomorrow“ of the Austrian Federal Ministry for Transport, Innovation and Technology, Kapfenberg/ Austria 2010

Tausz, K.; Kraussler, A.; Schloffer, M.; Theissing, M.; Tragner, M.; Zawichowski, M. (2010): „Regionale Energiebereitstellung und effizienter zwischenbetrieblicher Energieaustausch in der Region Krems - Optimierte Energiestrukturen ausgewählter Industriebetriebe, Vernetzung industrieller und regionaler Energiestruktur im Raum Krems“, final project report within the scope of the Austrian research programme „Energy of tomorrow“ of the Austrian Federal Ministry for Transport, Innovation and Technology, Kapfenberg/ Austria 2010

Tragner, M.; Kraussler, A. (2010): „Regionale Energiebereitstellung und effizienter betrieblicher Energieaustausch Region Krems“ publication

within the framework of the "Smart Grids Week Salzburg 2010" of the Austrian Federal Ministry for Transport, Innovation and Technology, the province Salzburg and the Salzburg corporation for energy, transport and telecommunication, Salzburg / Austria 2010

Tragner, M.; Kraussler, A.; Schloffer, M. (2010): "Wie viel kann die Sonne zur zukünftigen Energieversorgung beitragen?" publication and speech within the framework of the 11th energy innovations symposium of the Technical University Graz, Graz / Austria 2010

Theißing, M.; Kraussler, A.; Felberbauer, K. P.; Muster, M.; Schloffer, M.; Tragner, M.; Wanek, M.; Zisler, M.: „Kraftwerke im Klimawandel. Auswirkungen auf die Erzeugung von Elektrizität“, final project report within the scope of the Austrian research programme „Energy of tomorrow“ of the Austrian Federal Ministry for Transport, Innovation and Technology, Kapfenberg / Austria 2010

Wanek, M.; Kraussler, A.; Theissing, M.; Theissing-Brauhart, I. (2010): "Instationarity as a limiting factor for the use of industrial waste heat in heating-networks" publication and speech within the framework of the 11th energy innovations symposium of the Technical University Graz, Graz / Austria 2010

Tragner, M.; Kraussler, A.; Schloffer, M.; Theissing, M.; Theissing-Brauhart, I. (2009): „Regionale erneuerbare Energieversorgung mit besonderer Berücksichtigung der Photovoltaik - Industrieregion Krems und Umland“, final project report within the scope of the Austrian research programme „Energy of the Future“, Kapfenberg / Austria 2009

Schloffer, M.; Kraussler, A.; Sovec, T.; Tragner, M.; (2009): "Alternative Treibstoffe und umweltschonende Antriebssysteme im öffentlichen Regionalverkehr", final project report within the scope of the Austrian research programme „A3plus - Alternative drive systems and fuels“, Kapfenberg / Austria 2009

Theissing, M.; Kraussler, A.; Theissing-Brauhart, I.; Wanek, M. (2009): "Instationarität von industrieller Abwärme als limitierender Faktor bei der Nutzung und Integration in Wärmeverteil- und Wärmenutzungssystemen", final project report within the scope of the Austrian research programme „Factory of tomorrow“, Kapfenberg / Austria 2009

Tragner, M.; Kraussler, A.; Schloffer, M. (2009): "Solarenergie in der zukünftigen Energieversorgung". publication and speech within the WEC Austria Workshop „Solar Power“, World Energy Council / National Committee of Austria, Vienna / Austria 2009

Schloffer, M.; Kraussler, A.; Tragner, M. (2009): „Ein erster Schritt in Richtung Modellregion: Grundlagen zur Entwicklung von energieautarken Modellregionen am Beispiel Krems“, poster presentation within the framework of the 6th International Energy Economics Conference of the Technical University Vienna, Vienna / Austria 2009

Tragner, M.; Kraussler, A.; Schloffer, M. (2009): „Warum fahren wir nicht schon längst elektrisch?“, publication and speech within the framework of the 6th International Energy Economics Conference of the Technical University Vienna, Vienna / Austria 2009

Wanek, M.; Kraussler, A.; Schloffer, M.; Tragner, M. (2009): „Ein erster Schritt in Richtung Modellregion“, publication and paper within the framework of the research-panel of the Austrian Universities of Applied Sciences, Villach / Austria 2009

Tragner, M.; Kraussler, A.; Schloffer, M. (2008): "Solarenergie und Elektromobilität - Eine Energievision für Kärnten", study on behalf of the Austrian Federal Economic Chamber Carinthia, Kapfenberg / Austria 2008

Tragner, M.; Kraussler, A.; Schloffer, M. (2008): „Regenerative Energieversorgung einer Industrieregion“, poster presentation within the framework of the 1th photovoltaic conference of the Styrian Business Promotion Agency, Kapfenberg / Austria 2008

Tragner, M.; Kraussler, A.; Schloffer, M.; Theissing, M.; Theissing-Brauhart, I. (2007): „Energiesystem Industrieregion - Erfolgsfaktoren, Barrieren und Risiken der Einbindung regenerativer Energietechnologien in Regionen mit hohem Industrieanteil“, conference transcript „Energierregionen der Zukunft - Nukleus der Energieinnovation“, publisher: Austrian Federal Ministry for Transport, Innovation and Technology, Technical Museum Vienna, Vienna / Austria 2007

Tragner, M.; Kraussler, A.; Schloffer, M.; Schuster, D.; Theissing, M.; Theissing-Brauhart, I. (2007): "Regenerative Energieversorgung einer Industrieregion: Chancen – Potenziale – Grenzen", final project report within the scope of the Austrian research programme „Energiesysteme der Zukunft“, Kapfenberg / Austria 2007

FINISHED PROJECTS

Smart Energy Demo – Smart Cities Demo (national)

1. "Città Slow Hartberg meets Smart City" (2011 – 2012)
2. "Smart satellite-city Deutschlandsberg" (2012)
3. „EIK - Energy Initiative Klosteneuburg“ (2011 – 2012)
4. "Green Urban Gate towards Leadership in sustainable Energy" (2011 – 2012)
5. SED smart energy Demo – fit for set/5. Ausschreibung: „Urbane Industrie als integraler Bestandteil eines intelligenten und vernetzten städtischen Mobilitäts- & Energiesystems“ (2015 - 2017)
6. SED smart energy Demo – fit for set/6. Ausschreibung: „Smart City Frohnleiten“ (2016 - 2017)
7. SED smart energy Demo – fit for set/6. Ausschreibung: „Smart City Feldbach“ (2016 - 2017)
8. SED smart energy Demo – fit for set/6. Ausschreibung: „Development of Tulln industry into a multifunctional and integrated energy

and mobility cell of the city - IndustryHUB Tulln“ (2016 - 2017)

9. SED smart energy Demo – fit for set / 2. Ausschreibung (coordinator): “Città Slow Hartberg demonstrates Smart City” (2012 - 2016)
10. SED smart energy Demo – fit for set / 3. Ausschreibung: „MicroGrid Güssing“ (2014 - 2015)
11. SED smart energy Demo – fit for set / 3. Ausschreibung: „LOADSHIFT Oberwart Entwicklung eines gebäudeübergreifenden Energiemanagementsystems zur urbanen Lastverschiebung“ (2013 - 2018)
12. Smart Cities Demo – 8. Ausschreibung: „Städtisches Speichermanagement durch Aktivierung und übergeordnete Steuerung der verfügbaren Strom-Wärmespeicher“ (2017 – 2018)
13. Smart Cities Demo – 9. Ausschreibung: Sondierung einer hybriden Netzeinspeisung im städtischen Fernwärmesystem Neusiedl am See (2017 – 2018)

New Energies 2020/ Energy Systems / Energy of the Future / e!MISSION.at (Austrian energy promotion programme):

14. Neue Energien 2020: „Optimierte Technische Hackgutttrocknung auf Basis nachhaltiger Technologien - Grundlagen, Empfehlungen und Testanwendung“ (2010 – 2012)
15. Neue Energien 2020: Kraftwerke im Klimawandel - Auswirkungen des Klimawandels auf die Erzeugung von Elektrizität in Österreich (2009 – 2010)
16. Energie der Zukunft: „Energiekonzept Ökoregion Kaindorf“ (2008 – 2010)
17. Energie der Zukunft: „Regionale erneuerbare Energieversorgung mit besonderer Berücksichtigung der Photovoltaik - Industrieregion Krems und Umland“ (2007 – 2009)
18. Energiesysteme der Zukunft: „Regenerative Energieversorgung einer Industrieregion: Chancen – Potenziale – Grenzen“ (2005 - 2007)
19. New Energies 2020: Lastverschiebung in Haushalt, Industrie, Gewerbe und kommunaler Infrastruktur – Potenzialanalyse für Smart Grids (2012 - 2014)
20. New Energies 2020: Ökologisierung von Mobilfunkstationen - Einsatz erneuerbarer Energietechnologien und intelligenter Managementsysteme (2012 - 2014)
21. New Energies 2020 (coordinator): Renewable Energy Monitoring / Renewable Energy Control / Renewable Energy Simulation (2012 - 2014)
22. New Energies 2020: Advanced Electrical Storage Facilities to become Economically and Environmentally (start: 2011)
23. e!MISSION.at (4th call): Smart energy management systems by different supplier, consumers and storages within buildings, acronym: InEnmasys Buildings (2014 - 2015)
24. e!MISSION.at (first call, flagship project, coordinator): Novel SORption storage flagship system enhancing Austria's leadership (2013 - 2015)
25. e!MISSION.at (4th call): Loadshifting in waste water treatment plants – municipal sewage plants as part of smart energy systems, acronym: LoadshiftARA (2014 - 2015)
26. e!MISSION.at (4th call): Exergy-optimized microgrids by demand-oriented temperature levels of distribution, storage and supply; acronym: Low-ex Microgrid (2014 - 2017)
27. Austrian Energy Research Programme (2nd Call): Researching a multifunctional heat transfer station incl. smart control concept for local / district heating systems (2016 - 2018)

Qualification & innovation programmes (national):

28. Qualifizierungsnetze - Forschungskompetenzen für die Wirtschaft (FFG): Kompetenzvertiefung von SMARTEN Energie-Innovationen über maßgeschneiderte KMU-Qualifizierungsmaßnahmen (2012 - 2014)
29. Qualifizierungsnetze im Rahmen des Programms Ausbildungsinitiative Technologiekompetenz des Klima- und Energiefonds (FFG): Energie-Qualifizierungsnetz (EQ-Net) zur Ausbildung von Entwicklungsfachkräften für Strom-, Wärmer- & Kältespeicher (2014 - 2015)
30. Qualifizierungsnetze im Rahmen des Programms Ausbildungsinitiative Technologiekompetenz des Klima- und Energiefonds (FFG): International Network for Energy Efficiency and Innovative Building Services Education (2013 - 2015)
31. Innovationslehveranstaltungen zur Kompetenzerweiterung in der angewandten Forschung im Rahmen des Förderungsschwerpunkts Forschungskompetenzen für die Wirtschaft (FFG): Kompetenzerweiterung im Bereich der smarten „Energiespeicher-technologien/ -systeme“: Innovationen & Know-how-Transfer (2014 - 2016)
32. Qualifizierungsnetzwerk - Forschungskompetenzen für die Wirtschaft (FFG): Qualifizierungsnetz für Klimawandelanpassung im Themenbereich „Bauen und Wohnen“ (neue Technologien & Geschäftsfelder) (2014 - 2016)

Others (national):

33. Strategische Entwicklung von Impulszentren (FFG): Innovationsnetzwerk der Wirtschaft zur Etablierung von Energieplus-Systemen - E+Zentren (2012 - 2013)
34. COIN – Aufbau (FFG): „Ökotopia - Ressourcenschonung in der Stadtteilentwicklung“ (2010 - 2014)
35. Cities of the Future (1st Call): Energetisch optimierte Siedlungsentwicklung unter Synergienutzung von Energieeffizienz, Raumplanung & Baukultur (2014 - 2015)
36. Production of the Future (7th Call): Efficient use of raw materials with multicomponent material systems in the chemical industry (2014 - 2016)
37. Grant for the creation / development of young, innovative enterprises, with economic value for rural regions (Austrian Economy Service): Production of herbal ingredients for the pharmaceutical, cosmetics and food industries (2016 - 2017)
38. Building of the Future Plus: Gebäudeübergreifender Energieaustausch anhand zweier Pilotprojekte in Weiz (start: 2013)
39. Fabrik der Zukunft: „Instationarität von industrieller Abwärme als limitierender Faktor bei der Nutzung und Integration in Wärmeverteil- und Wärmenutzungssystemen“ (2007 – 2009)
40. A3plus - Alternative Antriebssystem und Treibstoffe: Alternative Treibstoffe und umweltschonende Antriebssysteme im öffentlichen

Regionalverkehr (2007 – 2009)

European Research & Innovation Projects:

41. AKTION Österreich-Ungarn Wissenschafts- und Erziehungskooperation: „Initiation and Intensification of Cooperation in the Field of Energy and Resource Efficiency between Hungary and Austria“ (start: 2012)
42. LEADER 2007-2013 Steiermark: „Wirtschaftsentwicklung Joglland 2010 – 2012, Maßnahme 7: Erneuerbare Energien“ (2010 – 2013)
43. Concerto Initiative: SOLUTION (www.solution-concerto.org; start: 2009), 7th Framework Programme of the European Commission
44. Addressing the divide between EU indications and their practical implementation in the green construction and eco-social re-qualification of residential areas in South East Europe regions (Acronym: BUILD SEE), start: 2013, www.build-see.eu, Transnational Cooperation Programme South East Europe
45. Supporting local authorities in the implementation of Sustainable Energy Action Plans in the Alpine Space Area“ (Acronym: SEAP_Alps), start: 2012, <http://seap-alps.eu>, Transnational Cooperation Programme Alpine Space
46. Cross-border Development and Implementation of energy contracting models for public authorities, Acronym: E-Contract (start: 2012), Transnational Cooperation Programme Austria – Hungary 2007-2013
47. Research for the Benefit of SMEs (FP7-SME-2013): Micro-TRIGENERATION, www.microtrigeneration.eu, (coordinator); 2013-2016, 7th Framework Programme of the European Commission
48. Anthocyan-Extraction of eastern-styrian berries with special focus on on-site quality assurance and production (start: 2013), Austrian Programme for the development of rural regions / Leader programme 2007 – 2013
49. Biobased Products - Building a cascading obtaining valuable products from vegetable and regional residual materials via a new cooperation of commercial micro-enterprises and agriculture, Funding programme of the Austrian Federal Ministry of Science, Research and Economy as well as by the European Rural Development Fund (2015 - 2016)
50. Exploitation of valuable organic matter (start 2016), Austrian Programme for the development of rural regions / Leader programme 2014 – 2020
51. Creation and development of short supply chains and local markets as well as supporting sales promotion (Action 16.4.1): Commercialization of plant and valuable materials from the mountain region of Joglland, Funding programme of the Austrian Federal Ministry of Agriculture, Forestry, Environment and Water Management as well as by the European Rural Development Fund (2017)

Contract work:

52. SFG-Förderprojekt: Untersuchungen und Bewertungen von holzartigen Pelletkleinfeuerungsanlagen hinsichtlich partikelförmiger und gasförmiger Emissionen (2005 – 2006)
53. Austrian Chamber of Commerce: „Das Potential der industriellen Eigenstromerzeugung im Rahmen der Ökologisierung des Steuersystems - Analyse volkswirtschaftlicher und ökologischer Auswirkungen“ (2010 – 2011)
54. Federal Economic Chamber Carinthia: „Solarenergie und Elektromobilität - Eine Energievision für Kärnten“ (2008)
55. Innovationsscheck (www.fg.at/innovationsscheck): Voucher for more than 20 finished small innovation projects (2006 – 2012)
56. Quality assurance project “C2E @FH-Joanneum (committed to excellence) – EFQM” (2009 – 2012)
57. FH JOANNEUM: Development & Design of the bachelor degree programme “Energie-, Verkehrs- und Umweltmanagement” as well as the master degree programme “Energy & Transport Management” (2006 – 2008)
58. Supervision of more than 20 students projects and theses (2006 – 2013)
59. Feasibility study: (Weather)-predicative measurement and controlling technologies for hybrid systems (2015)
60. Snow Farming (2016): Feasibility Study for the implementation of an ecological and energy efficient snow farming approach
61. Tourism and mobility concept for the city of Baden
62. Lecturers / laboratory courses:
 - a. Energieträger / energy sources (2009 – 2011)
 - b. Übung Energietechnik / Laboratory course energy technologies (2007 – 2011)
 - c. Projektarbeit / project work 1 & 2 (2007 – 2012)
 - d. Seminar zur Bakkalaureatsarbeit / Seminar for the bachelor thesis (2008 – 2012)
 - e. Supervised Group Projects (2011 – 2012)

Klima- und Energie-Modellregionen (www.klimaundenergiemodellregionen.at; KPC):

63. Wachau-Dunkelsteinerwald (2012)
64. Oekoenergieregion Fuerstenfeld (2012 - 2015)
65. Energieoffensive Fombacherland (2012 - 2015)
66. Oekoregion Lamingtal (2012 - 2015)
67. Klimaschutzregion NATURPARK POELLAUER TAL (2013)
68. ENERGIE KOMPASS BGLD: Kirschblüten Energieregion (2013)
69. ENERGIE KOMPASS BGLD: Naturpark Geschriebenstein (2013)
70. ENERGIE KOMPASS BGLD: Themenregion Stegersbach (2013)
71. ENERGIE KOMPASS BGLD: Energieregion Leithaland (2013)
72. ENERGIE KOMPASS BGLD: Energieregion Mittelburgenland (2013)
73. Energieregion Pinkatal (2014 – 2015)
74. BürgerInnenbeteiligung WIN³, flagship project (2014 - 2015)
75. Users in focus - increasing energy efficiency in industry through a new energy management system, flagship project (2015 - 2016)
76. Optimization of PV-induced electricity use in sewage treatment plants by loadshifting, flagship project (2016)
77. Production of the Future (19th Call): Plant intensification by model-based calculation & prediction of critical process parameters in industrial plants – Acronym: Process Prediction (2017 - 2018)

78. Groups thermography as a motivating factor for CO₂ saving measures in the renovation, flagship project (2016 - 2017)

And several smaller projects more.

RUNNING PROJECTS

European Research and Innovation Projects

1. ERA-NET Cofund Smart Cities and Communities - Joint Call for Proposals: "Smart Decision Support System for Urban Energy and Transportation" (start: 2016)
2. Horizon 2020 - Research and Innovation Framework Programme (H2020-EE-2015-2-RIA): "Eco-aware Persuasive Networked Data Devices for User Engagement in Energy Efficiency" (start: 2016)
3. Strengthening cooperation of actors and structures for the preservation of the natural heritage and environmental protection (Action 16.5.2 b): Pilot implementation of the first agricultural working group "Environment and Energy", Funding programme of the Austrian Federal Ministry of Agriculture, Forestry, Environment and Water Management as well as by the European Rural Development Fund (start: 2016)
4. Carbon Smart Communities (Acronym: CaSCO), start 2016, Transnational Cooperation Programme "Interreg Alpine Space"
5. Pooling Energy ACTION plans and Enhancing their implementation in the Alps (Acronym: PEACE Alps), start: 2015, Transnational Cooperation Programme "Interreg Alpine Space"
6. Utilizing innovation potential of urban ecosystems (Acronym: URBAN Inno), start: 2016: Transnational Cooperation Programme "Interreg CENTRAL EUROPE Programme"
7. Production of valuables from vegetable origin (start: 2016), Austrian Programme for the development of rural regions / LEADER programme 2014 – 2014

Climate and Energy Modell Regions (www.klimaundenergiemodellregionen.at; KPC):

8. EnergieImpuls Voralpe (start: 2011); extension granted until 2019;
9. Energieregion Stiefingtal (start: 2014); extension granted until 2020;
10. Erholungs- und Klimaschutzregion Joglland (start: 2012); extension granted until 2019;
11. Klimaschutzregion NATURPARK POELLAUER TAL (start: 2013); extension granted until 2019;
12. KEM GU-Nord (start: 2016)
13. Energy and mobility model region Anger-Floing (start: 2016); extension granted until 2021;
14. Energy region Joglland West (start: 2016); extension granted until 2021;
15. Terra amicitiae (2018 – 2020)
16. Norische Energieregion (2018 – 2020)
17. Bad Waltersdorf-Buch St. Magdalena (2018 – 2020)

Klimawandel-Anpassungsmodellregionen (<http://klar-anpassungsregionen.at>; KPC):

18. Pinkafeld-Riedlingsdorf
19. Wirtschaftsregion Hartberg
20. Erholungsregion Joglland
21. Naturpark Pöllauer Tal
22. Kleinregion Stiefingtal
23. Terra Future

National R&D and Innovation Projects:

24. SED smart energy Demo – fit for set / 10. Ausschreibung: „Hybrid Grids DEMO: Demonstration einer smarten Verknüpfung der urbanen Strom-, Erdgas- & Fernwärmenetze zu funktionalen Stromspeichern“ (start: 2014)
25. Qualifizierungsnetze - Forschungskompetenzen für die Wirtschaft (FFG): „HdZ2Market - Kompetenzvertiefung für Unternehmen zur Entwicklung und Umsetzung innovativer, nachhaltiger Gebäudekonzepte“ (start: 2017)
26. Smart Cities Demo – 8. Ausschreibung: „Multifunktionale Energienetzwerke zur Versorgung von Stadtgebieten (Investigation of Renewable Options and Networks)“ (start: 2017)
27. Smart Cities Demo – 7. Ausschreibung: „Aktive Sozialraumbeflussung für ein Empowerment der smarten Modernisierung im (öko)sozialen Wohnbau“ (start: 2016)
28. Einführung einer flächendeckenden Ladeinfrastruktur für E-Mobilität im Mürztal-Mariazellerland (start: 2018)
29. SED smart energy Demo – fit for set / 4. Ausschreibung: „Hybrid Grids DEMO: Demonstration einer smarten Verknüpfung der urbanen Strom-, Erdgas- & Fernwärmenetze zu funktionalen Stromspeichern“ (start: 2014)
30. Production of the Future (24th Call): Research of a soft-sensing technique for temporal and local predictions of reactor conditions – Acronym: CAT-SAVE (start: 2018)

And several smaller contract work