

環境解析と自然言語処理AIによる 孤独ゼロ社会の実現

西村 勉

京都大学医学部附属病院 特定准教授

Ph D、MBA、MPH

私の研究



特許化済



自殺
データ



自殺の予測モデル



自殺に関する論文

Tada, Nishimura 2013
Nishimura 2014, 2020



磁場の影響に関する論文

Nishimura 2010, 2011,
2012, 2019, 2020

研究成果：疾病の発症・増悪予測



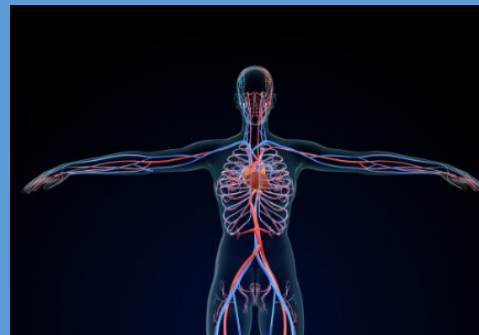
メンタルヘルス

- 自殺
- うつ病



神経疾患

- 脳卒中
- メニエール病
- 片頭痛
- てんかん
- 自律神経失調症
- 不定愁訴



心血管疾患

- 虚血性心疾患



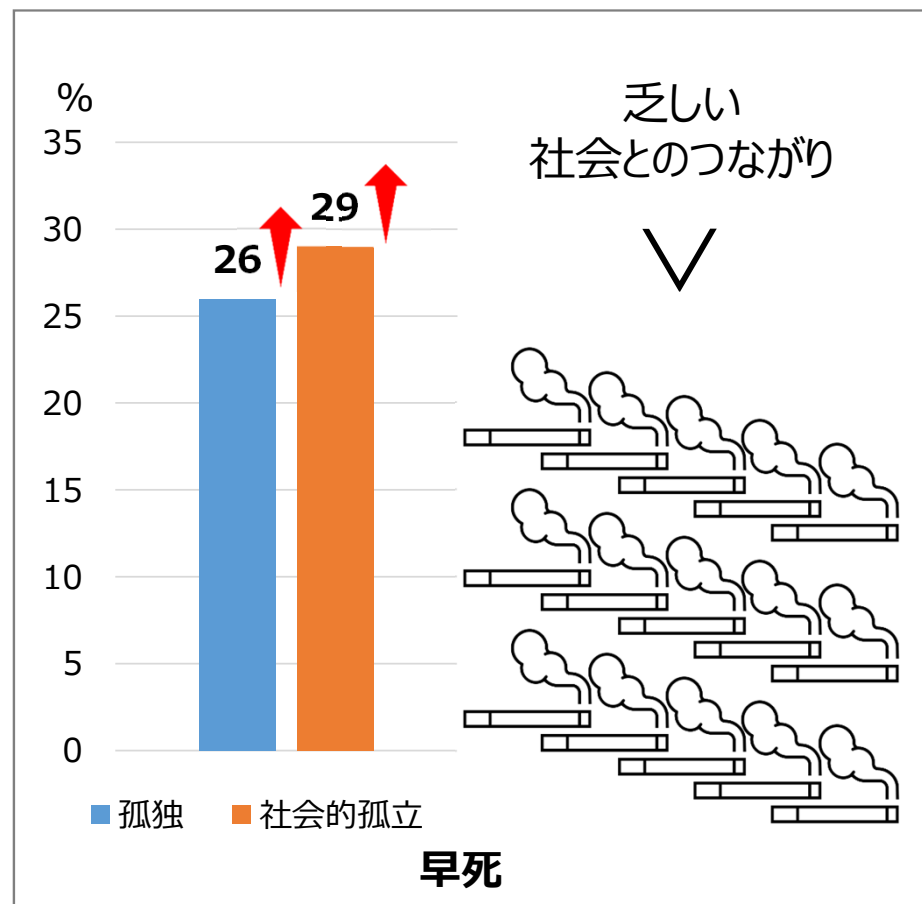
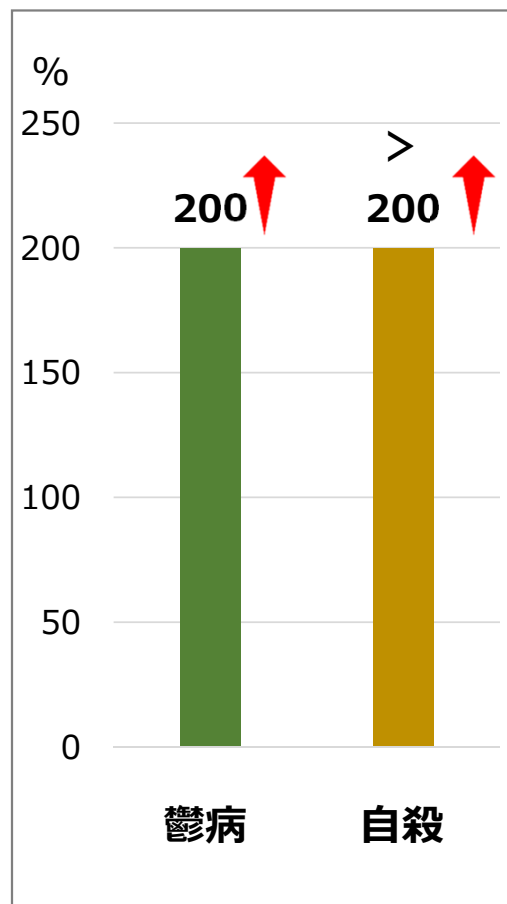
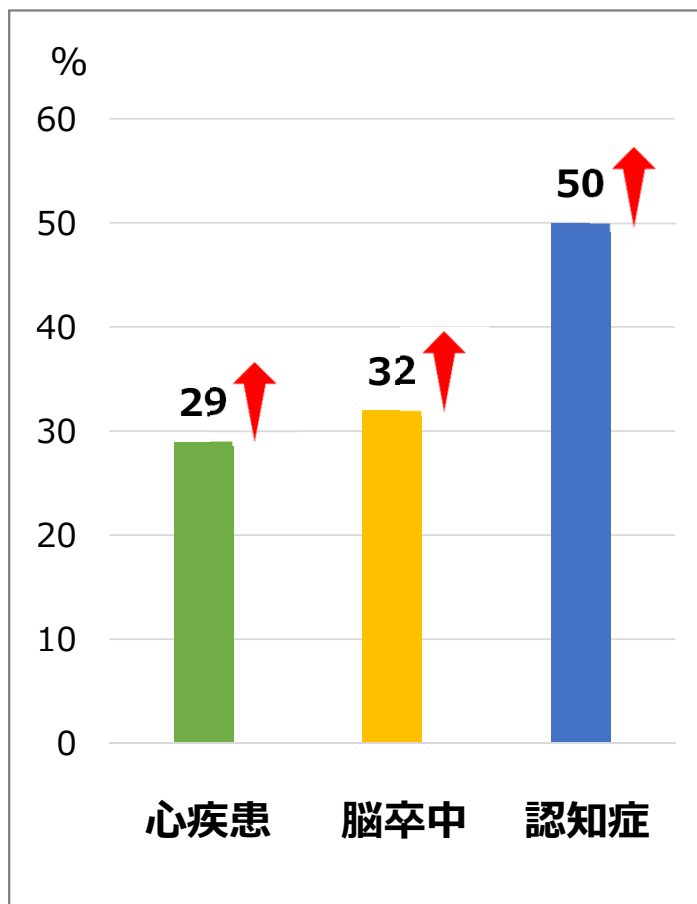
交通事故／傷害

- 交通事故
- 傷害事件

特許(JP7369784B2)

社会課題：孤独

Valtorta 2016, Valtorta 2016, Lazzari 2021, Holt-Lunstad 2015, Holt-Lunstad 2017



67億ドル 高齢者の社会的孤立によるメディケアの過剰支出額

1,540億ドル 孤独に起因するストレス関連の欠勤の雇用者負担額

解決策

1. 環境要因を用いた疾患発症・増悪予測技術
2. 自然言語処理AIによる孤独感の推定

Be of good cheer. Do not think of today's failures, but of the success that may come tomorrow. Helen Keller.
This is too much fun. It's so funny my belly aches. I did it! All right. Doesn't this make you happy?
Let's get together for a drink sometime. Come over to my house. Keep it a secret. I feel good. I'm so happy I can cry.
There are no regrets in life, just lessons. Jennifer Aniston If you know what you're doing and feel good about it, you never regret it.
If you get talked into something, you always regret it. Cindy Crawford It's the friends you can call up at 4 a.m. that matter. Marlene Dietrich
The earth moves around the sun. The movie moved us deeply. The old man raised his hat to the lady.
The Browns go to church on Sunday. I hope the weather will stay fine. I have a surprise for you.
As you grow older you will discover that you have two hands: one for helping yourself, the other for helping others. Audrey Hepburn
I'm deeply impressed. You're really great. You're really something. You're really out of this world. I don't know how you do it.
You got my vote. Without pain, there would be no suffering, without suffering we would never learn from our mistakes.
To make it right, pain and suffering is the key to all windows; without it, there is no way of life. Angelina Jolie
Most people, after one success, are so cringingly afraid of doing less well that they rub at the edge of their subsequent work. Helen Beatrix Potter
Hope is slowly extinguished and quickly revived. Sophia Lee The sea was as smooth as glass. How about another cup of coffee?
So many roads. So many detours. So many choices. So many mistakes. Sarah Jessica Parker
You should listen to what people say. You should decide yourself. You should be kind to people. Do what you think is best.
You never know until you try. That's a good idea. You can stand tall without standing on someone. You can be a victor without having victims.
Were there none who were discontented with what they have, the world would never reach anything better.
Florence Nightingale It's not how much we give, but how much love we put into giving. Intense love does not measure. It just gives. Mother Teresa
Life is very short what we have to do must be done in the now. Audre Lorde I am happy to meet you.
I saw a very beautiful sunset. I was so happy as if it happened to me. If you obey all the rules, you miss all the fun. Katharine Hepburn
When we talk about a career, we are talking about a dream. The only dream that is not a dream. But when we talk about a career, we are not talking about a dream.
There are no regrets in life, just lessons. Jennifer Aniston It is important to keep a promise. Don't be afraid of making mistakes.
Money doesn't always bring good luck. Hard work brought her success.
I attribute my success to this — I never gave or took any excuses. Florence Nightingale I'm not afraid. I will soon be doing this. Joan of Arc

NLP



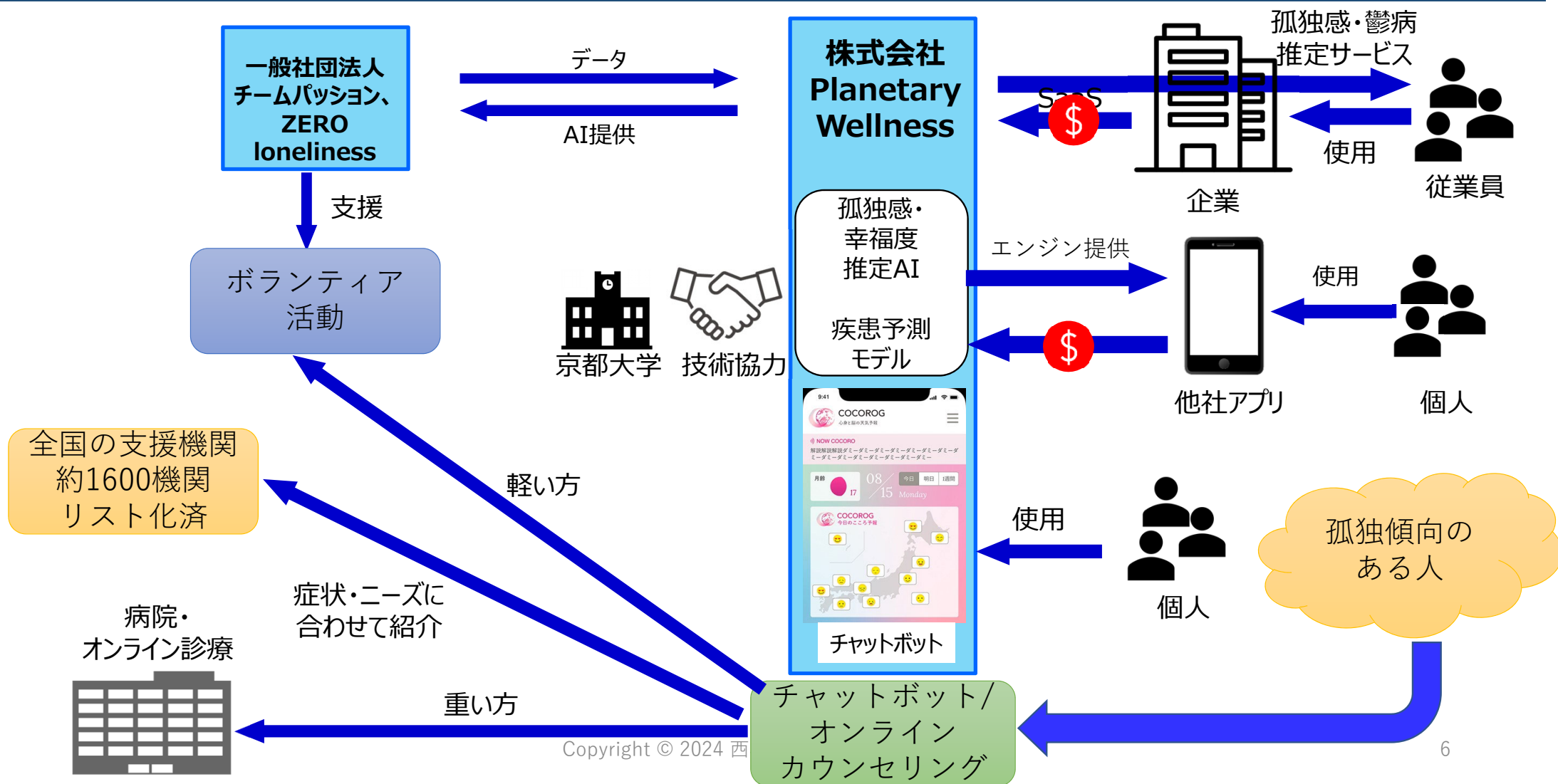
孤独感

音声、テキスト
(Eメール、Slack、X(旧Twitter)など)

3. ボランティア活動の場の提供 (ペカンの森)

Copyright © 2024 西村勉, All Rights Reserved.

ビジネスモデル



チーム紹介

株式会社Planetary Wellness



山内寛之
代表取締役
学術博士



山口頂
薬学博士



大月延亮
アドバイザー
ロチェスター大学MBA
SBI大学院大学経営管理
研究科非常勤講師



京都大学



西村勉
疫学、学術指導
京都大学医学部附属病院
特定准教授
医学博士, MPH, MBA



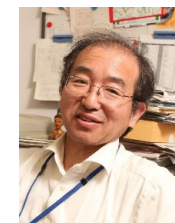
森拓也
AI、学術指導
京都大学医学部附属病院
特定助教
医学博士



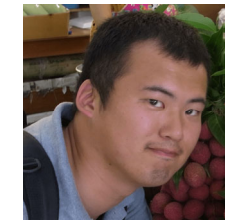
早川小百合
都市デザイン、アドバイザー
京都大学
特定助教
工学博士



吉光奈奈
AI、アドバイザー
京都大学工学部
助教
工学博士

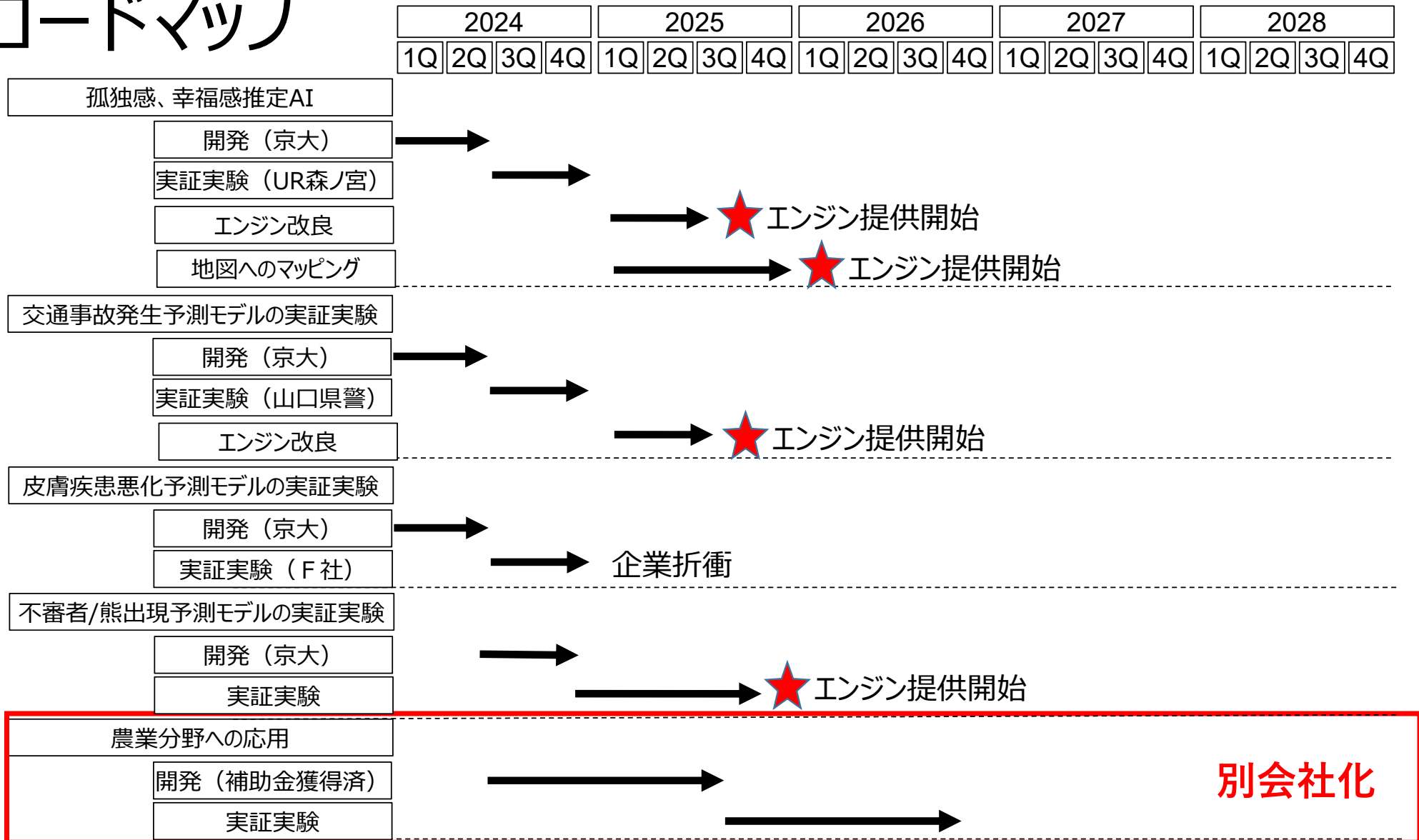


柴田一成
宇宙天気、アドバイザー
京都大学理学研究科
名誉教授
理学博士



近藤 友大
農学、アドバイザー
京都大学農学研究科
准教授
農学博士

ロードマップ



可視化



ピーカンナッツ（ペカン）

分類：	クルミ科の落葉高木
原産：	北アメリカ
樹齢：	長いもので約1,000年
収穫期間：	約300年
収穫までの期間：	接ぎ木で3-4年、実生で10年
収量（米国）：	10年生で約5-6kg、 20年生で35-40kg、 35年生で約70kg
収量（日本）：	20年生で25kg
特長：	豊富な栄養素 全体の72%脂質、約11%タンパク質、約10%糖質
食べ方：	生、ロースト、スイーツ、パン、サラダ、肉料理、パスタなど



ペカン千年の恵みがつむぐ4つの再生

耕作放棄地

28万2千ha(2020年)



ペカンの森



京都大学

命名権
オーナー制
実の販売



ボランティア

コミュニティ

消滅都市744自治体
(2050年)



活性化

空き家900万戸 (2023年)



何もしない
子供と大人の
フリースクール

不登校 (29万人)
引きこもり (146万人)
休職者 (万人)



再生