

Japan's Agrivoltaics Strategic Turning Point:

From Rigid Rules to Scientific Standards



Solar Sharing with Shizuoka Matcha APV

THE CRISIS OF CURRENT REGULATIONS

The Failure of the "80% Yield Rule"

Land occupied by poles makes achieving 80% total yield mathematically unbankable for professionals.



The Rise of "Alibi Farming"

Rigid standards paradoxically incentivized low-quality farming of shade-tolerant crops solely for FIT revenues.



Administrative Data Latency

Current paper-based reporting systems cause a two-year lag in national data aggregation.

TRANSITION TO SCIENTIFIC STANDARDS



The "Sun over North Wind" Strategy

Replacing restrictive penalties with "Fast-Track" approvals and grants for high-scoring, multi-benefit projects.



THE FUTURE VISION: COMPREHENSIVE SCORING & DX



Scientific Productivity Metrics
Adopting global standards like Land Productivity Factor (LPF) and Daily Light Integral (DLI)



DX-Driven Monitoring

Community Coexistence
Utilizing AI cameras and online applications to provide real-time evidence of continuous farming.



Fast-Track



Bad Money

COMPARING PROPOSED VISION WITH GLOBAL MODELS

Metric	Czech Republic	Germany	Japan (Proposed Vision)
Land Loss Rate	10% Maximum	10–15% Maximum	10% Max (20% Vertical)
Yield Requirement	No strict %	66% Standard	Holistic Scoring System
Height Limit	2.1m Minimum	2.1m Minimum	2.1m (for Machinery)